DEPARTMENT OF THE NAVY U. S. NAVAL AMMUNITION DEPOT CRANE, INDIANA 47522

N REPLY REFER TO: QENE-DEM:gs 8900

From: Commanding Officer, U. S. Maval Ammunition Depot, Crane, Indiana
To: National Aeronautics and Space Administration, Goddard Space
Flight Center, Electrochemical Power Sources Section (716.2),
Space Power Technology Branch, Greenbelt, Maryland 20771

Subj: Monthly Progress Report on Matienal Aeronautics and Space Administration Space Cell Test Program; submission of

Encl: (1) Monthly Progress Report as of 31 March 1966 (3 copies)

1. The progress report for Mational Aeromantics and Space Administration purchase order W11, 252B on the space cell test program is submitted as enclosure (1).

R. R. PRITTEDONE

C. M. ASSTIN By direction

Copy to:

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MONTHLY PROGRESS REPORT THROUGH 31 MARCH 1966

LIFE CYCLE TESTS

1. Status of Cycling Program: The cycling program has included cells from the following manufacturers: General Electric Company (G.E.), Gould-National Batteries, Inc. (Gould), Sonotone Corporation (Sonotone), Yardney Electric Corporation (Yardney), Gulton Industries, Inc. (Gulton) and Delco-Remy (Delco).

TOTAL NUMBER OF PACKS IN PROGRAM: 167

	Total N	umber of	Packs	Cells Fa	iled*
	Cycled	G	in-an-a	Since Last	
	To Date	Cycling	ralled	Report	Date
NICKEL CADMIUM (10-cell packs)					
G.E. 3.0 a.h.	12	5	7	0	50
Gould 3.5 a.h.	12	5 4	8	0	60
Sonotone 5.0 a.h.	12	6	6	0	46
Gulton 6.0 a.h.	12	2	10	0	66
TOTAL	48	17	31	0	222
NICKEL CADMIUM (5-cell packs)					
Sonotone 3.0 a.h.	6	6	0	0	1
Sonotone 5.0 a.h. STABISTOR	8	6	2	0	12
G.E. 5.0 a.h. NIMBUS	6	6	0	0 -	0
G.E. 12 a.h.	13	6	7	0	23
G.E. 12 a.h. 3rd Electrode	4	2	2	0	2
Gulton 1.25 a.h.	4	4	0	0	0
Gulton 3.6 a.h. COULOMETER	1	1 6	0	0	0
Gulton 4.0 a.h.	6 6	6	0	1	4
Gulton 5.0 a.h. NIMBUS	6		0 1	0 2	2
Gulton 5.6 a.h. Gulton 6.0 a.h.		5 0	1	0	2
Gulton 6.0 HSI	· 3	2	1	1	j.
Gulton 6.0 a.h. 3rd Electrode	1 3 6 6	6	ō	1	2 2 3 4 9
Gulton 12 a.h.	ě	4	5	ō	á
Gulton 20 a.h.	12	3		1	33
Gulton 50 a.h.	2	ŏ	9 2 8	0	6
Gould 20 a.h.	12	14	8	1	27
TOTAL	102	67	35	7	132
SILVER CADMIUM (10-cell packs)					
Yardney 12 a.h.	5	3	2	0	16
TOTAL	5	3 3	2	0	16
, · · · · · · · · · · · · · · · · · · ·	; -	5			
SILVER CADMIUM (5-cell packs)				•	
Yardney 5.0 a.h.	6	3	3	0 -	6
TOTAL	, b	ر د 3 ,	3	0	6

^{*} All failure analysis results are cumulative. Total pack failures are shown on pages 8 through 39; partial pack failures on pages 40 through 53.

	Total N	lumber of	Cells Failed* Since Last Total			
•	•	Cycling	Fa iled	Report	Date	
SILVER ZINC (10-cell packs)						
Yardney 12 a.h.	1	0	1	0	6	
Delco 25 a.h.	1	1	0	0	0	
TOTAL	2	1	1	0	6	
SILVER ZINC (5-cell packs)						
Delco 25 a.h.	3	0	-3	0	10	
Delco 40 a.h.	ĺ	0	ĺ	0	2	
TOTAL	4	0	4	0	12	

^{*} All failure analysis results are cumulative. Total pack failures are shown on pages 8 through 39; partial pack failures on pages 40 through 53.

2. Test Parameters:

- a. General Cycling Program:
 - (1) Ambient Temperature:
 - (a) 0° C.
 - (b) 25° C.
 - (c) 40° C.
 - (2) Voltage limits per pack on charge:
 - (a) 1.55 ± 0.03 volts per cell at 0° C.
 - (b) 1.49 ± 0.03 volts per cell at 25° C.
 - (c) 1.45 ± 0.03 volts per cell at 40° C.
 - (3) Depth of Discharge:
 - (a) 90-minute and 3-hour orbits:
 - 1. 15 percent and 25 percent at 0° C.
 - 2. 25 percent and 40 percent at 25° C.
 - 3. 15 percent and 25 percent at 40° C.
 - (b) 24-hour orbits:
 - 1. 50 percent at 25° C and 40° C.

(4) Orbit Times:

- (a) 90 minutes -- 30-minute discharge and 60-minute charge.
- (b) 3 hours--30-minute discharge and 150-minute charge.
- (c) 24 hours--1-hour discharge and 23-hour charge..

b. Nimbus Packs:

- (1) Ambient Temperature:
 - (a) 0° C.
 - (b) 25° C.
 - (c) 40° C.
- (2) Voltage limit per pack on charge: 1.49 ± 0.03 volts per cell at each temperature.
 - (3) Depth of Discharge:
 - (a) 15 percent and 25 percent at 0° C.
 - (b) 25 percent and 40 percent at 25° C.
 - (c) 15 percent and 25 percent at 40° C.
 - (4) Orbit Time: 90-minutes--30-minute discharge and 60-minute charge.

c. Silver-Cadmium Packs:

- (1) Ambient Temperatures:
 - (a) 90-minute orbit:
 - (1) -20° C.
 - (2) 0° C.
 - (3) 25° C.
 - (b) 24-hour orbit:
 - (1) 0° C.
 - (2) 25° C.
 - (3) 40° c.

- (2) Voltage limits per pack on charge:
 - (a) 90-minute orbit:
 - (1) 1.60 ± 0.03 volts per cell at -20° C.
 - (2) 1.58 ± 0.03 volts per eell at 0° C.
 - (3) 1.55 \pm 0.03 volts per cell at 25° C.
- (b) 24-hour orbits: 1.50 \pm 0.03 volts per cell at 0° C., 25° C., and 40° C.
 - (3) Depth of Discharge:
 - (a) 90-minute orbit: 25 percent at all temperatures.
 - (b) 24-hour orbit:
 - (1) 20 percent and 50 percent at 0° C.
 - (2) 20 percent at 25° C.
 - (3) 20 percent and 50 percent at 40° C.
 - (4) Orbit Time:
 - (a) 90-minute--30-minute discharge and 60-minute charge.
 - (b) 24-hours--1-hour discharge and 23-hour charge.
 - d. Silver-Zinc Packs:
 - (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: 1.97 \pm 0.03 volts per cell at 25° C.
 - (3) Depth of Discharge:
 - (a) 3-hour orbit: 40 percent at 25° C.
 - (b) 24-hour orbit: 25 percent and 40 percent at 25° C.
 - (4) Orbit Times:
 - (a) 3 hours -- 30-minute discharge and 150-minute charge.
 - (b) 24 hours--1-hour discharge and 23-hour charge.

e.	Third	Electrode	Packs	(Gulton):
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- (1) Ambient Temperatures:
 - (a) 0° C.
 - (b) 25° C.
 - (c) 40° C.
- (2) Voltage limits per pack on charge: None. Limit is controlled by the third electrode voltage:
 - (a) 150 millivolts at 0° C.
 - (b) 300 millivolts at 25° C.
 - (c) 300 millivolts at 40° C.
 - (3) Depth of Discharge:
 - (a) 25 percent and 40 percent at 0° C.
 - (b) 25 percent and 40 percent at 25° C.
 - (c) 15 percent and 25 percent at 40° C.
 - (4) Orbit Time: 90 minutes-30-minute discharge and 60-minute charge.
 - f. Third Electrode Packs (General Electric):
 - (1) Ambient Temperatures:
 - (a) 0° C.
 - (b) 25° C.
 - (c) 40° C.
- (2) Voltage limit per pack on charge: None. Limit is controlled by the third electrode voltage; 400 millivolts at all temperatures.
 - (3) Depth of Discharge:
 - (a) 25 percent and 40 percent at 0° C.
 - (b) 25 percent and 40 percent at 25° C.
 - (c) 15 percent and 25 percent at 40° C.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.

g. Stabistor Packs:

- (1) Ambient Temperatures:
 - (a) -20° C.
 - (b) 0° C.
 - (c) 25° C.
 - (a) 40° c.
- (2) Voltage limits per pack on charge: None. Stabistor controls cell voltage.
 - (3) Depth of discharge:
 - (a) 25 percent and 40 percent at -20° C.
 - (b) 25 percent and 40 percent at 0° C.
 - (c) 25 percent and 40 percent at 25° C.
 - (d) 15 percent and 25 percent at 40° C.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.

h. Coulometer Packs:

- (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: None. Coulometer controls cell voltage.
 - (3) Depth of Discharge:
- (a) 30 percent for 5 cells (Sonotone 5 a.h.)--coulometer built by Goddard Space Flight Center.
- (b) 40 percent for 10 cells (Gulton 5.6 a.h.)--coulometer built by General Electric.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.
 - i. Sherfey Cycling Packs:*
 - (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: None. Pack cycled in the partially discharged state.

- (3) Depth of Discharge: 40 percent at 25° C.
- (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.
- * This type of cycling starts with the cells in a completely discharged condition. Each cycle consists of a charge of 60 percent of the cell's rated capacity followed by a discharge of 40 percent of the cell's rated capacity. Upon completion of each fifth cycle, the cells are discharged through a resistor for 90 minutes to return the cells to the completely discharged condition for the start of the next sequence of five cycles. In this manner, the cells operate below the 100 percent charged state much of the time thereby preventing overcharging and buildup of excessive gas pressure.

3. Data:

- a. Under normal operation, complete data is scheduled to be recorded every 32 cycles on the 90-minute and 3-hour packs. On the 24-hour packs, complete data is taken every eight cycles.
- b. The attached data sheets give end of discharge and end of charge voltage readings for each cell on each cycle recorded.

4. Capacity Tests:

a. Before cycling, each pack was given a capacity test at its respective cycling temperature. This check consisted of a c/10 charge for 16 hours followed by a c/2 discharge to 1.0 volt per cell average. After each 88 days of cycling, each pack was discharged immediately after the end of the regular cycle charge period, at the c/2 rate to 1.0 volt per cell average. The pack was then recharged at the c/10 rate for 16 hours and discharged at the c/2 rate to 1.0 volt per cell average. The pack was then recharged at the c/10 rate for 48 hours, voltage limited to the cycle limits. Data of capacity tests is tabulated on pages 53 through 61.

CELL TYPE: General Electric 3.0 Ampere-Hour	FAILURE Nickel-Cadmium AWALYSIS	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Mormal Volt Chg, Deposit on Terminal, Migration of Active Material, Blistering on Edge of Pos Plate, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Elistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Pos Tab Broken and Touching Case, Burned Tape on Tab Caused by Overheating From Poor Tab Weld.	Low Volt Disch, Normal Volt Chg, Short on One Edge of Plates, Neg Plate Material Penetrated Separator.	Low Volt Disch, Normal Volt Chg, Shorted, Separator Deteriorated, Neg Plate Material Penetrated Separator.	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
	CACLE	8065	825年	8714	10123	10382	10382	3985	4473	1424	4917
	TISOT Aq <i>N</i> I	L	Φ	7.	10	4	6	_	9	H	1/2
Ä	MONTE	432	7 17	624	267	485	744	JZ1	χ <u>γ</u>	361	525
ERUTAR	Test etmet	25°	25°	25	25	N 7	25°	25°	25°	25°	25°
EBIOD	TIARO RUOH)	1.5						1.5			
	DELLE	25%						40 4			
ਬ	NOWEG	15	-					16			

CELL TYPE: General Electric 3.0 Ampere-Hour	FAILURE Nickel-Cadmium	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Several Small Burned Areas on Separator.	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.	Low Volt Disch, High Volt Chg, Pos Tab Burned.	Low Volt Disch, Normal Volt Chg, Deposit Around Pos Terminal, Pos Tab Burned, Migration of Neg Plate Material, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.5 gm, Pos Tab Burned, Migration of Active Material, Separator Deteriorated.	Low Wolt Disch, Normal Volt Chg, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.	Low Volt Disch, Normal Volt Chg, Leaked, Loose Plate Material on Separator.	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.	
	CXCLE	4917	5013	779	2083	2523	7213	8109	8109	2073	2182	2182	
TON	MI MI	10	<i>‡</i>	Q	9	<u> </u>	н	7	ω	m	ω	L	-
	CELL	455	719	541	25	549	527	534	550	₩94	3131	L†	
ERUTAR	Teat	25°	25	50	°04	\$0°	,0 ₁	°01	°04	°04	,0†	,04	
PERIOD (SS)	TIARO TUOH)	1.5		1.5						1.5			_
	nam DSIC	% 04		15%						25%			_
মহ	PACIK NUMBI	16		39						040			_

CELL TYPE: General Electric 3.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, High Volt Chg, Pos Weld to Terminal Stud Burned, Poor Weld.	Low Volt Disch, High Volt Chg, Loose Plate Material on Separator, Short at Outside End of Pos Plate.	Low Volt Disch, High Volt Chg, Leaked, Pos Tab Burned and Shorted to Neg Tab.	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.	Low Volt Disch, Low Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused by Overheating From Poor Tab Weld.	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Top of Separator Burned, Separator Impregnated with Neg Plate Material, Separator Deteriorated.	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Poor Roll, Uneven Wind at End of Roll, Shorts at Top of Roll, Separator Deteriorated.	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Separator Impregnated with Neg Plate Material, Separator Deteriorated.	
COMETELED CACTES	9445	2461	2509	2509	1182	1515	1911	2298	2515	2656	_
POSITION IN PACK	5	10	CU	9	.	m	9	6.	_	10	-
MUMBER	647	4.5	994	147	416	664	412	756	984	435	_
TEST	,04	ρ0 1	°04	,04	°04	°04	°04	°04	40°	°04	-
ORBIT PERIOD (HOURS)	1.5				3.0	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
DISCHARGE	25%				15%			· · · · · · · · · · · · · · · · · · ·			-
РАСК И ЛМВ ЕЯ	04				4 3				·		-

CELL TYPE: General Electric 3.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused By Overheating From Poor Tab Weld.	Low Volt Disch, High Volt Chg, Pinpoint Penetration, Separator Deteriorated, Blistering on Bottom Edge of Pos Plate.	Shorted on Cycling, Deposit on Pos Terminal, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Migration of Active Material, Separator Deteriorated.	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Loose Active Pos Plate Material, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Deposit on Pos Terminal, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deterioration.			
COMETELED CACTES	1672	3848	3854	3854	1944	14487 1			
POSITION	9	ω	Н	m	C)	10			
NOMBER CEIT	222	366	459	11	3120	296	· · · · · · · · · · · · · · · · · · ·		
TEST TEMETATIVE	,04	,0 1	,01	,0†	, 0†	°04			
ORBIT PERIOD (HOURS)	3.0								
DISCHARGE	25%			* ************************************					
PACK NUMBER	1 7†								

		FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, High Volt Chg, Short Near Center of Core, Piece of Pos Plate Material Between Plates Causing Short Through Separator.	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.7 gm, Weak Weld on Neg Tab to Plate.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.7 gm, Deposit on Glass Seal, Short Through Separator, Short at Pos Tab Near Center of Core, Neg Tab Weld to Plate Weak.	Low Volt Disch, Mormal Volt Chg, Leaked Around Glass Seal, Lost 2.6 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.5 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.	Low Volt Disch, Normal Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.1 gm, Neg Plate Material on Separator.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.2 gm, High Pres Bulge Top.	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.7 gm, High Pres Bulge Top.	Low Volt Disch, Low Volt Chg, Separator Deteriorated at Center of Core, Under Pressure When Opened.	
Œ	STEC 1823	CKCI	2785	3090	4081	4289	1044	1524	4751	1609	1827	2110	_
	TTION SACK		5	α	6	9	<u> </u>	#	70	t	ω	Н	•
		CELLI NUN	73	杰	165	93	97	1.1	188	81	8.	CI	-
35107	TASES	Test Desi	25°	25°	25°	25	25°	25°	25°	25°	25°	25°	•
TOIN	ब्द गा (ध्रम		1.5							1.5			•
	то нт рядни		25%							% 04			•
		PACI MUM	3	-						4			-

CELL TYPE: Gould 3.5 Ampere-Hour FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.3 gm, Plate Material on Separator.	Low Volt Disch, Mormal Volt Chg, Deposit on Glass Seal, Separator Deteriorated.	Low Wolt Disch, Low Wolt Chg, Leaked, Lost 1.6 gm, Separator Deteriorated, Pos Plate Material Between Plates.	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.7 gm, Meg Plate Material Migrated Through Separator, Separator Deteriorated, One Weak Weld Pos Tab to Plate.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.1 gm, Glass Seal. Broken, Separator Very Dry, Neg Plate Material Migration, Pinpoint Penetration, Loose Neg Plate Material on Separator, Separator Deteriorated, All Tab Welds to Plate Weak.	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.0 gm, Deposit on Glass Seal, Separator Deteriorated, Pinpoint Penetration, Neg Plate Material on Separator, Weak Weld on One Tab to Pos Plate Weld.	Shorted on Cycling, Deposit on Glass Seal, Leaked, Lost 1.1 gm, Weak Weld Pos Tab to Plate, Neg Plate Material on Separator, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit Around Glass Seal, Leaked, Lost 1.7 gm, Neg Plate Material Loose, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Leaked, Lost 1.4 gm, One Weak Weld on Pos Tab to Plate, Pinpoint Penetration, Separator Deteriorated.
COMETELED CACTES	2954	3029	3164	3007	3130	3483	3736	3884	4173
POSITION		М	10	Q	ч	9	7.	<u>-</u>	m
OMBER MINISTER		24	198	64	37	109	104	131	85
TEET ENTERATURE		25°	25°	25°	25°	N 2	25°	25	25
CHOURS)				3.0					
MEPTH OF				25%					
AUMER PACK	_ ~			-					

CELL TYPE: Gould 3.5 Ampere-Hour FAILURE Wickel-Cadmium AMALYSIS	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Plate Material on Separator.	Low Volt Disch, Mormal Volt Chg, Leaked, Lost 2.0 gm, Pos Tab Weld to Bottom of Can Weak, Pos Tab Weld to Plate Weak.	Low Volt Disch, Mormal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Meg Plate Material on Separator.	Low Volt Disch, Mormal Volt Chg, Leaked, Lost 1.8 gm, Pos and Meg Tab Weld Weak to Plates Mear Center of Core, Separator Deteriorated at Center of Core.	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Pos Tab Weld to Case Weak, Separator Deteriorated, Neg Plate Material Penetrated Separator.	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.7 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, One Bad Weld Neg Tab to Plate.	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Separator Deteriorated, Pos and Neg Plate Material Impregnated Separator.	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Separator Deteriorated, Pos Plate Material on Separator.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.6 gm, Short Through Separator, Separator Burned at Center of Core, Pos Plate Material on Separator.	Low Volt Disch, Normal Volt Chg, High Pres, Short Through Separator, Pieces of Pos Plate Material Between Plates.
CACTES	1346	1704	1985	1985	2138	4642	7642	2901	2901	2998
POSITION IN PACK	9	ω	н	10	-	α	6	m	ω	-
MINGER CEIT	88	या	39	170	78	Γ ⁴	130	13	195	1.03
TEST	25	25	25	25	25°	25°	25°	°04	°04	. 07
ORBIT PERIOD (HOURS)	3.0							7.5		
DISCHARGE	५ ०५							15%		
PACIK MUMBER	80	-						27		

CELL TYPE: Gould 3.5 Ampere-Hour	FAILURE Nickel-Cadmium	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.5 gm, Short Through Separator, Separator Deteriorated at Center of Core, Pos Tab Weld to Case Weak.	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Short at Pos Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Separator Impregnated with Neg Plate Naterial.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.8 gm, Weak Bottom Weld Suspicious Spot but not Definite.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.0 gm, High Pres Bulge.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.9 gm, High Pres Bulge Top.	Low Wolt Disch, High Wolt Chg, Leaked, Lost 3.5 gm.	Low Volt Disch, High Volt Chg, Weak Weld to Bottom of Case.	Low Volt Disch, Low Volt Chg, Short at Outside End of Plates, Grid Wire Penetrated Separator.	Low Volt Disch, High Volt Chg, Weak Weld on Pos Tab to Case.	Low Volt Disch, Low Volt Chg, Short Around Pos Tab, Blistering on Pos Plate, Active Neg Plate Material on Separator.
	CKCLE	3270	4102	4485	408	1 81	181	860	1293	181	181	1811
	MEOT TISOT	10	6	QI .	CV .	7	ω	72	10	н	3	<i>‡</i>
	MUNEE	200	197	רו	क्ष	151	158	141	163	121	133	140
SHUTAR	TEST	°04	० ०५	°०म	S	,0 1	011	°04	, 0†	°04	°04	°0†
PERIOD (S)	TIANO NOON)	1.5			1.5							·
	DELL	7 51			25%						-,	
R	PACIK INUMBE	27			88		-	-,				

CELL TYPE: Gould 3.5 Ampere-Hour	I-රිෂර්	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case.	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case, Deposit on Glass Seal.	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.1 gm, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Short Through Separator, Separator Deteriorated, One Weak Tab.	Low Volt Disch, High Volt Chg, Pieces of Plate Material Shorted Through Separator, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Short Through Separator by Piece of Pos Plate Material Between Plates, Separator Deteriorated, Neg Plate Material Impregnated Separator, Tab to Plate Weld Poor.	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 2.4 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, Pinpoint Penetration, Poor Weld Pos Tab to Case.	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.8 gm, Short Between Plates, Extra Piece of Pos Plate Between Plates, Separator Deteriorated, Pos Tabs to Plate Weld Both Weak.	Low Volt Disch, Low Volt Chg, Short Through Separator at Start of Core, Extra Piece of Pos Plate Material, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Neg Tab Weld to Pigtail Weak, One Tab to Pos Plate Weld Weak, Still Under Pressure When Opened.
	CACTES	181	1811	1500	1500	1696	2411	2477	2517	2517
	TTI209 DAY WI	9	6	0	01	CU	m	Φ	Н	9
-	MOMBER	155	163	R166	R179	R92	126	R162	72	143
THUTA	Test Temper	°04	°04	,0 ₁	\$10 .	7†O•	°04	°04	°04	,04
PERIOD (TIANO SAUOH)	1.5		3.0						
	DEPTH DISCHA	25%		15%						
}	PACK NUMBER	28	-	31					······································	

CELL TYPE: Gould 3.5 Ampere-Hour FALLURE Nickel-Cadmium AMALYSIS	Low Volt Disch, Normal Volt Chg, Bottom Weld Weak, Greenish Corrosion Inside at Neg Lead.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.5 gm, Bad Glass Seal Around Neg Terminal.	Low Volt Disch, Mormal Volt Chg, Leaked, Lost 3.2 gm, Shorts Near Center of Core.	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.2 gm, Short Around Tabs, Pos Tab Weld Weak to Case.	Failed During Shut Down to Move to Another Chamber, Leaked, Lost 4.4 gm, High Pres. Neg Tabs Pushed Out of Cell, Short at Center and Outside Edge of Core.	Low Volt Disch, High Volt Chg, Leaked, Lost 1.1 gm, Piece of Pos Plate Material Shorted Through Separator, Weak Welds to Case and Plates.				
COMETELED CLCITES	138	495	800	875	875	9774				
MOITISON	9	m	Н	4	_	6				
CEIT CEIT	125	9	н	1.9	132	641				
TEET ERUTARETIET	• O 1	°04	°0 1 1	. 04	•04	°0#				
ORBIT PERIOD (HOURS)	3.0						7. · · · · · 7. k · · · · · · · · · · · · · · · · · ·			
DISCHVEGE	25%								·	
PACK MEGERA	32									

				,			
CELL TYPE: Sonotone 5.0 Ampere-Hour FAILURE Wickel-Cadmium AMALYSIS	Shorted on Cycling, Leaked Around Seal, High Pressure Bulge on Bottom, Insulators Brittle, Exposed Grid Wires at Center of Core Penetrated Separator Causing Large Burned Area at Short, Pos and Neg Tab Weld Poor.	Low Volt Disch, Normal Volt Chg, Leaked Around Seal, High Pres Bulge on Bottom, Hole in Separator Exposing Pos and Neg Plates, Neg Plate Material Penetrated Separator.	Low Volt Disch, Low Volt Chg, Two Pieces of Neg Plate Material Wore Hole in Separator at Scoring Mark, Burned Through Plates, Neg Tab Welds Poor, Separator Beginning to Deteriorate.	Low Volt Disch, Mormal Volt Chg, Deposit on Glass Seal, Pos and Neg Flate Material on Separator, Separator Deteriorated, Neg Tab to Plate Welds Weak, Burn Marks on Separator at Tabs, High Pressure Bulge.	Low Volt Disch, Low Volt Chg, Uncoined Plate Edges Pierced Separator Causing Partial Shorts, Burn Marks Around Tab Areas, Weak Weld on All Tab to Plate Welds, Deep Pressure Points Caused by Scoring, Separator Torn at Start of Core Exposing Pos and Neg Plate, Separator Deteriorated, Neg Plate Material on Separator.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.	
COMETELED CACTES	3155	3992	1141	5262	5262	1299	
FOSITION	10	<u>ν</u>	N	9	-	Н	
CEIT	811.	3628	3613	3630	3631	3611	
TEST SHUTARSAMST	25°	25	25	25	25	N)	
отянт тико (вятон)	1.5						
TO HITTEL TO HITCH OF	% 011						
PACIK INDOKER	α						

CELL TYPE: Sonotone 5.0 Ampere-Hour	FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, High Volt Chg, Separator Deteriorated, Large Burned Area at Center of Core, Pinpoint Penetration, Deep Scoring Caused Hole in Separator, Partial Shorts Around Edge of Plates, Deep Pressure Points Caused by Scoring.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Short Caused by Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.	Low Wolt Disch, Low Wolt Chg, Deposit on Glass Seal, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Hole in Separator Adjacent to Corner of Outside Neg Plates, Grid Wire Penetrated Separator and Shorted to Pos Plate, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, H Through Separator Near Edge of Plate Causing Short, Small Piece of Neg Plate Material Between Plates and Separator.	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Neg Plate Material Migrated Through Separator, Separator Deteriorated, Weak Weld Tab to Neg Plate.	Grid Wire Penetrated Separator at Tabs.	Shorted on Cycling, Slight Burn Adjacent to Neg Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator, Tab Welds Weak.
	CACITE	8469	7052	77.58	9070	9220	9328	2487	2905
-	TIEOT AT MI	5	4	٦	m	9	α	н	6
	MINUSE	148522	4364	4317	4350	6850	4347	4323	6773
SHUTAR	Test Tempe	, 0†	• ंग	°04	•04	°04	°04	%O†7	001
PERIOD (S	тт я но япон)	1.5						1.5	
	HPPEIG PISCH	15%						25%	
Я	PACIK	25						56	

CELL TYPE: Sonotone 5.0 Ampere-Hour	FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Neg Tab Weld Weak, Neg Plate Material Penetrated Separator.	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Pos Tab Weld Weak, Plate Broken at Pos Tab, Deep Pressure Points From Scoring, Separator Completely Deteriorated.	Shorted on Cycling, Complete Short From Deep Scoring, Plate Shorted Through Outer Wrap.	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Plate Material Penetrated Separator.	Hole in Separator Allowing Pos Plate to Hit Case, Separator Demaged at Center of Cell Allowing Pos and Neg Plate to Short Together.	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Neg Tab to Plate Welds Weak, Burn Spots Around Tabs, Deep Scoring Caused Burn Spots on Separator.	Low Volt Disch, Low Volt Chg, Deposit Around Glass Seal, Burn Spots Around Edge of Separator Caused By Uncoined Edge of Plates, Deep Scoring Caused Burn Spots on Separator, Burn Spots Around Tab Areas, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Leaked, Lost 1.3 gm, Short Caused by Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.	Shorted During Cycling, Deposit on Glass Seal, Hole in Separator at Tab Weld Area Caused Short, Separator Completely Deteriorated.	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Migration of Neg Plate Material, Separator Completely Deteriorated.
	CACLE	2993	2993	3344	3625	855	3068	3068	3684	4141	1717
	TIEOT AG MI	9	-	м	#	-	#	6	ω	Н	10
<u>я</u>	nombe Celt	7224	7232	14881	0424	3657	3643	809	3658	3617	7230
EKUTAR	TEST	°0†	,04	,01	,0 1	•0 1	°04	°04	°04	,0 ₁	,04
EBIOD LEBIOD	тіяно япон)	1.5				3.0				•	
	HTTEI HOSIG	25%				25%					
R	PACIK NUMBE	56				30					

CELL TYPE: Gulton 6.0 Ampere-Hour	S	Low Volt Disch, High Volt Chg, Lost 12 gm, CO3 Top Ceramic, High Pres Bulge.	Low Volt Disch, High Volt Chg, Lost 10 gm, High Pres Bulge.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Low Volt Chg, Geramic Short, Blistering on Pos Plate, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.	Low Volt Disch, High Volt Chg, Lost 12 gm, High Pres Bulge.	Voltage Fell Off During Charge, Went Flat in 3 Min. on Disch, Lost 6 gm, Concave Wall, High Pres Bulge, Ceramic Broken Inside Case, CO ₃ on Outside of Ceramic, Pos Terminal Loose.	Low Volt Disch, High Volt Chg, Lost 12 gm, High Pres.	Low Volt Disch, High Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short.	Low Volt Disch, Normal Volt Chg, Ceramic Short.	
nepeted Nes		308	502	5963	3084	3598	4021	292	262	4 50	1113	1618	2086	
PACK		ri	10	ŗV.	<u>-</u>	†	Q		5	Н	Q	m	<u></u>	
ניני א ש פנא	MAI	2305	2355	3134	3211	2613	2324	1623	1635	2356	2387	2391	3208	
TS ERUTARETM	ETT ETT	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°	
BIT PERIOD		1.5						1.5						
PTH OF SCHARGE		25%						% 04	***************************************					
MB ER	A4 UM	13						14						

CELL TYPE: Gulton 6.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Voit Disch, High Volt Chg, Ceramic Short.	Low Volt Disch, High Volt Chg, High Pres Bulge, Burnt Spot on Neg Plate Near Bottom Second From End, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short, Deposit Around Ceramic Seal, High Pres Bulge.	Low Volt Disch, Low Volt Chg, Pinpoint Penetration of Separator, Blistering on Pos Plate, High Pres Bulge.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos . Plates, High Pressure Bulge, Still Under Pressure When Opened.	Low Volt Disch, Chg Volt Normal, Lost 3 gm, Concave Wall, Ceramic Short.	Low Volt Disch, Normal Volt Chg, Deposit on Top of Pos Terminal, Lost 5.1 gm, High Pres Bulge.	Low Volt Disch, High Volt Chg, High Pres Bulge, Ceramic Short.	Low Volt Disch, High Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate, Neg Plate Material on Separator.	
COMETETED	721	721	1688	2375	5449	2885	365	608	643	643	1145	1550	
POSITION IN PACK	5	m	70	r-I	N	6	9	m	<u> </u>	0,	10	Н	
MINIBER CEIT	1862	1823	2348	17.57	1598	2347	1826	1615	1827	2228	1562	1233	
TEST TEMPERATURE	25°	25°	25°	25°	25°	25°	25°	25°	25%	25°	25	25	
ORBIT PERIOD (HOURS)	3.0						3.0		***************************************			-	
DISCHARGE	25%						404						
PACK HUMBER	17					-	18						

CELL TYPE: Gulton 6.0 Ampere-Hour	FAILURE Nickel-Cadmium	Low Volt Disch, Volt Did Not Increase on Following Chg, (1.00 V) Lost μ gm, Ceramic Short.	Low Volt Disch, Low Volt Chg, Lost 10.5 gm, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate.	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Ceramic Short, Leaked, Lost l gm, Blistering on Pos Plate, Separator Deteriorated.	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Separator Deteriorated, Neg Plate Material on Separator, Blistering on Pos Plates, Ceramic Short.	No Volt on Chg or Disch, Ceremic Short.	Volt Fell Off During Disch, Chg Volt Slightly Low, Lost 3.5 gm, Ceramic Short.	Rev on Disch, Chg Volt Normal, Lost 4 gm, Deposits Around Pos Terminal (Outside), Ceramic Short.	Low Volt Disch, High Volt Chg on Cycle 219, Dead on 225, Lost 3.5 gm.	Low Volt Disch, Normal Volt Chg, Pos Bus Shorted to Case.	Low Volt Disch, Low Volt Chg, High Pres Bulge, Ceramic Short.	
ELED ES	CACITE	238	1566	2819	2981	489T	1 909	37	411	187	225	1333	1377	
	M WI	3	ω	7	10	<u></u>	9	8	9	6	m	5	a	
ਬਣ	MOMB	1764	1784	18c2	2333	1769	1814	1454	1815	1853	1627	2405	1626	
ERUTARE	TEST	,0 <u>6</u>	,04	,04	,017	,04	,04	,0ç	50°	°04	,0 _†	,0†	°0†	
T PERIOD	ок в т. пон)	1.5						1.5	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		_	
TO FEEF	DISCI DELLI	15%	·					25%						*******
	PACK NUMB	37						38				**********		

						•					
CELL TYPE: Gould 20 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Normal Volt Disch, Low Volt Chg, Short Near Bottom of 5th or 6th Pos, No Obvious Cause.	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.	Low Volt Disch, Low Volt Chg, Plate Material Penetrated Separator, Pos Plates Blistered, High Pressure.	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Neg Plate, Grid Wire Penetrated Separator, Several Other Plates Had Grid Wires Sticking Out, High Pressure.	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Pos Plate, Grid Wire Penetrated Separator, Blistering on Pos Plates, Separator Deteriorated, High Pressure.	Low Volt Disch, Low Volt Chg, Shorted on Side of Pos Plate, Grid Wire Penetrated Separator, High Pressure.	
	CACLE	222	1793	1793	801	801	983	1273	1509	1569	
CK	TISOG AG MI	2	Ø	m	CV.	m	72	m	. 	72	
<u></u>	MINBE	73	80	98	16	82	18	6	R29	Ħ	
ERUTAR	TEST	25°	25°	25°	°04	,0 ₁	°04	°04	,0†	,04	
EERIOD (S)	riano non)	3•0			3.0			1.5			
	DEPTH	%ंग			25%			25%			
ਸ਼	PACK NUMBE	119			122			126			

CELL TYPE: Gulton 50 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Shorted Out While Cycling, All Plates Shorted at Bottom Center, Separator Very Dry and Stiff From Heat, Blistering on Pos Plate.	Shorted Out While Cycling, Short Between Plates at Center Near Bottom of Plates, Separator Dry, Small Amount of Neg Plate Material Migration on Separator.	Low Volt Disch, High Volt Chg, Separator Impregnated with Neg Plate Material, Large Blisters on Pos Plate, One Neg Plate Stuck to Can.	Low Volt Disch, Low Volt Chg, Separator Decomposed, Hot Spots Through Separator Shorted Out Several Plates, High Pres Bulge, Still Under Pressure When Opened.	Went Dead During Shutdown, Separator Decomposed, Several Small Hot Spots on Each Plate, Outside Neg Plates Stuck to Case, High Pres Bulge, Deposit Around Ceramic Seal of Pos Terminal.	Went Dead During Shutdown, Separator Decomposed, Neg Plate Stuck to Case, High Pres Bulge, Still Under Pressure When Opened.		
eled S	CACUE	2643	2938	322T	1873	1873	1873		
	rizog Ag <i>N</i> i	3	7	Н	Q	м	4		
- Hi	MONUSE	109	107	11.5	119	118	711		
BRUTARE	Test	0	°o	°o	°04	,0†	,04		
SE LEKIOD	TIARO TUOH)	1.5			1.5				
HARGE	neen Deig	25%			15%				
	PACK MUMBI	95			123				

CELL TYPE: Delco 25 Ampere-Hour FAILURE Silver-Zinc AMALYSIS	Cell Blew Up, Pack Returned to Manufacturer.	Returned to Manufacturer for Analysis.	Returned to Manufacturer for Analysis.			
COMPLETED CYCLES		8	120			
FOSITION IN PACK						
RIPERE CELT						
TEST TEMPERATURE		25°	25°			
ORRIT PERIOD (SAUOH)	o•₩2	24.0	3.0			
DISCHARGE	\$04	14046	%O†			
PACE MUMBER	75	89	288			

mpere-Hour	ວ	er for Analysis.	
Delco 40 Ampere-Hour	S1lver-Zinc	Returned to Manufacturer	
CELL TYPE:	ANALYSIS	Returned to	
LPER IES	CXC	139	
PACK	POS NI		
	MOM		
т ЭНОТА ЯЭН	TES	25.	
II PERIOD	EFO OH)	24°0	· ·
TH OF	DIS DEL		
)C A E BER	PAG MUM	28	

CELL TYPE: Yardney 12 Ampere-Hour	FAILURE Silver-Cadmium	Leaked, Dried Out.	Leaked, Dried Out.	Leaked, Dried Out.	Leaked, Dried Out.	Leaked, Dried Out.	Leaked, Dried Out.	Leaked, Electrolyte Shorted Out Cell.										
CELED ES	CXCI	82	126	152	197	210	210	162	162	162	991	991	991	166	166	166	166	
TION	TEOT IN P	3	Q	Н	ω	7	10	Ч	α	10	e	4	2	9	7	ω	0,	
	MUNUE			·	· · · · · · · · · · · · · · · · · · ·													
EHUTARE	Teat Taket	, 0†	°0†	,0†	°04	°04	°04	0	•	°	•	0	0	0	0	ိ	0	
COLRET TIERO (SAUOH)		24.0		.				24.0									5.7	
то н зрялн		50%						50%						~				······································
	PACIK MUMB	33						57										

CELL TYPE: General Electric 3.0 Ampere-Hour FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, Low Volt Chg, Blistering on Bottom and Top Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated, Burned Pos Tab.	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated, Deposit on Pos Terminal.	Shorted on Cycling, Deposit on Pos Terminal, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated.			
COMETELED CLCTES	3704	14485	4485	6884			
POSITION	5	a	9	m			
MINIEEE CEIT	121	433	117	710			
TEST TEMPERATURE	25°	25°	25°	25°			
ORBIT PERIOD (HOURS)	3.0					' • • • •	
TO HISTORY OF THE STATES	% 04						
PACK MUMBER	20						

CELL TYPE: Gould 3.5 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Neg Plate Material on Separator, Excess Migration of Neg Plate Material, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Under High Pressure When Opened, Pinpoint Penetration, Migration of Active Material Around Tab Areas.	Low Volt Disch, High Volt Chg, Loose Active Pos Plate Material, Migration of Neg Plate Material Through Separator, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Loose Active Fos Plate Material, Migration of Neg Plate Material Through Separator, Separator Deteriorated.				
CACTES	7858	8367	9724	4276				
IN PACK	ω	10	-	6		 ***	 	
MINGER CEIT	977	194	108	118				-
TEST TENTAHET	0,0	0	°	° 0				
ORRIT PERIOD (HOURS)	1.5						.,	
TO HITEL TO HITEL	25%							
PACK MUMBER	52							

CELL TYPE: Sonotone 5.0 Ampere-Hour FALLURE Nickel-Cadmium ANALYSIS	Low Volt Disch, High Volt Chg, Inclusion on Surface of Outside Pos Plate Wore Hole Through Separator and Thin Outside Wrap, Separator Sticking to Neg Plate, Glass Seal Leaked.	Low Volt Disch, High Volt Chg, Neg Tabs Weak Weld to Plates, Separator Melted at Center of Core, Extreme Pressure Points on Separator From Scoring Causing High Resistance Shorts.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Short Caused by Excess Scoring, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, High Volt Chg, Deposit on Glass Seal, Excess Scoring, Migration of Neg Plate Material, Deep Pressure Points Resulting in Intermittant Shorts, Separator Deteriorated.	
CACTES	2995	4423	7782	3771	
FOSITION	#	Н	9	Q.	
MIMBER CEIT	4361	4335	4878	4351	
TEST SHUTARSTMET	25°	25°	ري م	r V	
потятя ттяяо (зяпон)	1.5			0.0	Š
TO HTTELL TO HTTELL	25%			00 20 20	
PACIK MINIMEER	т.			ľV	

CELL TYPE: Sonotone 5.0 Ampere-Hour FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, Normal Volt Chg, Separator Impregnated With Active Material, Separator Sticking to Neg Plate.	Low Volt Disch, Low Volt Chg, Small Hole in Separator at Start of Coil, Pos Plate Edge Broken Allowing Grid Wire to Penetrate Separator.	Grid Wires of Pos Plate Penetrated Separator and Shorted to Neg Plate, Active Plate Material Penetrated Separator at Three Points, Bad Tab Welds.	Low Volt Disch, Normal Volt Chg, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Excess Scoring, Shorts at Edge of Plates, Neg Tab Area, and at Scoring, Weak Weld Neg Plate to Tab, Separator Deteriorated.	Shorted on Cycling, Meg Tab Welds Poor, Active Plate Material Penetrated Separator at Scoring Marks.	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Burn Spots Along Top Edge of Neg Plate, Hole Burned in Separator, Weak Weld Neg Tab to Plate.	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Hole in Separator Adjacent to Score Band, Separator Completely Deteriorated.	
CACTES	1069	1136	1911	3798	1,608	1418	4835	0484	
FOSITION IN PACK	ω	10	4	0	-	Н	-	Φ	
MINDER	†35†	1 7069	3637	6875	6882	3626	810	432T	
TEST	25°	25°	25	25	25	°04	0 04	°04	
отянт тыко (вятон)	3.0					3.0			
TO HTTELL DESCHARGE	% 0†					15%			
PACIK MUMBEER	9					56			

CELL TYPE: Sonotone 5.0 Ampere-Hour	FAILURE Nickel-Cadmium	Low Volt Disch, Low Volt Chg, Burn on Separator Opposite Pos Tab.	Shorted During Cycling, Short Through Separator Caused By Deep Pressure Points Adjacent to Scoring, Migration of Neg Plate Material, Small Inclusion on Plates Starting to Penetrate Through Separator.				
eled 3	CACLE	2010	10073				
CK	TIEOT AT MI	6	m			 	
R	MINUBE CELT	1889	4370				
ERUTAR:	TEST	0,	°O				
EBIOD	TIARO HUOH)	1.5				 	
	nern Bosia	15%					
भ	PACIK MUMBE	64					

CELL TYPE: Gulton 5.0 Ampere-Hour (NIMBUS) FAILURE Nickel-Cadmium ANALYSIS	Shorted During Cycling, Neg Plate Not Welded To Case, Loose Neg Plate Material, Separator Deteriorated, Ceremic Short.
CACTED	2422
POSITION	m ·
MOWEEE CEIT	291
TEST EMUTARETURE	0 4
ORBIT PERIOD (HOURS)	г. Г.
DISCHARGE	N 20
PACK MUMBER	128

4:

CELL TYPE: Gulton 6.0 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, High Volt Chg, Leaked, Lost 6.8 gm, Ceramic Seal Broke, Deposit on Inside of Ceramic, High Pres Bulge, Blistering on Pos Plates.	Low Volt Disch, Low Volt Chg, Small Shorts Through Separator Near Pos Tab, Blistering on Pos Plate, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pres Bulge.	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Blistering on Pos Plates, Ceramic Short.		Low Volt Disch, Low Volt Chg, Deposit on Fos Terminal, Still Under Pressure When Opened, Concave Sides, Edge of Pos Tab Shorted to Top of Neg Plates, Very Light Migration of Neg Plate Material, Blistering on Pos Plates.			
ELED	COMPLY	2995	9904	T +7+1-1	9590	(5012		·····	
	CKCLE	8	. †		10 		<u>ν</u>			
	TIEOT	어	<i>\tau</i>	u^.	ţ	_				
Я	nambe Celt	1630	1792	9087	222.7	Ć	1284	· · · · · · · · · · · · · · · · · · ·		
ARUTAR	LEZL LEZL	ಂ	°	ိဂ	ိ	·	• •			
PERIOD	тіяно яион)	1.5					O. m			
	DISCH DELLH	25%					158			
Я	PACK	62				,	65			

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CELL TYPE: Gulton 6.0 Ampere-Hour (HSI) FAILURE Nickel-Cadmium ANALYSIS	Low Wolt Disch, Low Volt Chg, Still Under Pressure When Opened, Pos Tab Burned, Mgration of Neg Plate Material, Blistering on Pos Plate, Separator Completely Deteriorated, Neg Plate Shorted Through Separator.
CACTES	4350
POSITION	5
nomber Ceit	5321
TEST TEMPERATURE	°O†
ORRIT PERIOD (HOURS)	1.5
DISCHARGE	25%
PACK HEMMIN	238
	47 .

CELL TYPE: General Electric 12.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Normal Volt Chg, Pierced Separator Caused By Rough Place at Top Edge of Neg Plate, Neg Plate Material Migrated, Separator Deteriorated.	Cell lost Capacity on Cycling But Came Back When Removed From Pack, So It was Put Back on Cycling in Same Pack.
COMETELED	7527	3037
POSITION	a	IV.
MUMB EH	430	410
TEST SHUTARSTMEN	25.	
ORBIT PERIOD (HOURS)	1.5	in in
DISCHARGE	25%	CA EC SC
PACK MUMBER	82	# C C C C C C C C C C C C C C C C C C C

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CELL TYPE: Gulton 20 Ampere-Hour FAILURE Nickel-Cadmium AMALYSIS	Wolt Fell Suddenly at End of Chg, Burn Spots at Busses, Concave Around Spots, End Neg Pushed Into Pos Tab.
CACTES	135
IN PACK	a
ил ми ен Сегг	6 111 1
TEST SHUTARETMET	° O
ORBIT PERIOD (HOURS)	O. m
DEPTH OF DISCHARGE	25 S
БРСК Т ОМВ ЕН	102

1 3 3 3	FALLURE Nickel-Cadmium AMALYSIS	Low Wolt Disch, Low Volt Chg, Separator Deteriorated, Neg Plate Material Penetrated Separator, Two Pos Plates Not Welded to Tabs.	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Pieces of Loose Neg Plate Material Between Plates, Migration of Neg Plate Material, Separator Deteriorated, Short Through Separator at Bottom of Plates Where Tape Holds Plates Together.	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Hot Spots Around Pinpoint Penetration, Deep Penetration by Blisters on Pos Plate, Separator Deteriorated.	Shorted on Cycling, Still Under Pressure When Opened, Several Shorts Gaused by Small Pieces of Metal Between Plates, Blistering on Pos Plates, Separator Deteriorated.	Shorted During Cycling, Still Under Pressure When Opened, Loose Pleces of Pos Plate Material Between Plates, Pinpoint Penetration, Blistering on Pos and Neg Plates, Separator Deteriorated, Short Between Pos Plate and Neg Tab at Top of Cell.		
ereted res	CXC	3556	8619	4306	4003	4233		
TTION		5	Н	Н	CV .	m		
	CELL	7.1	T41	04	81	82		
T SRUTARST	Kel Les	ô	°	25.	°04	°04		
IT PERIOD		1.5		3.0	3.0			
TO HIT		25%		25%	15%			
3C REG	PAC	86		105	108			

CELL TYPE: Sonotone 3.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Normal Volt Chg, Cell Very Dry, Capacity Decay Due to Insufficient Electrolyte, Migration of Plate Material Around Tab and Scoring Areas.
CACTES CACTES	1630
POSITION	3
MUMBER CEIT	A 3553
TEST SHUTARSTMET	
ORBIT PERIOD (HOURS)	1.5
DISCHARGE	% 04
PACK MUMBER	202

CELL TYPE: Gulton 6.0 Ampere-Hour (Third Electrode) FAILURE Nickel-Gadmium ANALYSIS	Third Electrode Shorted to Pos, Ceramic Short, Blistering on Pos Plates, Separator Deteriorated, Leaked, Lost 1.3 gm.	Third Electrode Shorted to Neg Plate, Migration of Neg Plate Material, Shorted out Third Electrode, High Pressure Bulge, Still Under Pressure When Opened, Lost 1.4 gm.	Low Volt Disch, High Volt Chg, Deposit on Neg Terminal, Leaked, Lost 8.7 gm, High Pressure Bulge, Large Deposits of Loose Active Neg Plate Material, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates.	
COMETELED CLCITES	2753	3202	2993	
POSITION IN PACK	3	М	ιΛ	
MINISEE CEIT	147	1.40	1.30	
TEST	25°	°	° O	
ORBIT PERIOD (HOURS)	1.5	1.5	٦ 5	
DISCHARGE	25%	25%	%O†	
PACIK MUMBER	Ħ	59	17	

CELL TYPE: Gulton 3.6 Ampere-Hour	FAILURE N1ckel-Cadmium	Low Volt Disch, Low Volt Chg, Deposit on Edge of Top to Side Neid, Leaked, Lost 3.9 gm., Loose Active Material Pos and Neg, Pinpoint Penetration, Separator Very Dry.
eled S	CACLE	2409
TOM	rieogi Ag Mi	Q
	MOME	% 7
SHUTARE	Teat Tamet	P. 25
r PERIOD	THYO TOOH)	т. Н
H OF	Deig	60
	ZEDA¶ ZEDAUTE	Sherfey

CELL TYPE: Gulton 6.0 Ampere-Hour	FAILURE Nickel-Cadmium AMALYSIS	Low Volt Disch, High Volt Chg, Ceramic Short.	Low Volt Disch, Normal Volt Chg, Ceramic Short.	Low Volt Disch, Normal Volt Chg, Ceramic Short.	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Geramic Short.	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, CO3 on Bottom of Case, Ceramic Short.	Low Volt Disch, High Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, High Pres Bulge, Deposit on Bottom of Case, Ceramic Short, Lost 3.1 gm.	Low Volt Disch, Normal Volt Chg, Deposit Around Geramic Seal and Bottom Seam of Can, Leaked, Lost 8.2 gm, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Deposit Around Cracked Pos Terminal Leaked, Lost 8.8 gm, Migration of Neg Plate Material, Blistering on Pos Plates, Separator Completely Deteriorated, Geramic Short.	
	CACITE	649	1062	1132	1157	1157	1689	96	382	416	†8†	3619	4133	
	TIEOT AT MI	6	9	a	_	8	m	80	-	6	Н	9	4	
Я.	nambe Ceit	1771	1801	3135	1852	2221	1632	2309	2346	2306	918	2340	2334	
энотая	TEST TEMPE	οη.	°0†	°04	,04	°04	°04	500	°04	,0 1	,0†	011ء	,04	
B) EEBIOD	TIARO RUOH)	3.0						3.0		-				
	DEPTH	15%						25%						
ਸ਼	PACK PROMBE	41						Z+1						

CELL TYPE: Qulton 6.0 Ampere-Hour FALLURE Wickel-Cadmium AMALYSIS	Volt Between 0.25 and 0.3 V Throughout Cycle, Side Concave, Burnt Case, End Neg Pushed Into Pos Tab. Cell Replaced in Pack Due to Early Failure.	Lost 5 gm, Leak at Weld on Bottom, High Pres Bulge, Cell Replaced in Pack Due to Early Failure.	Low Volt Disch, Low Volt Chg, Ceramic Short.	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Fos Plates, High Pres Bulge.	Low Volt Disch, Low Volt Chg, High Pres Bulge, Concave Sides, Leaked, Lost 2.7 gm, Rough Flace on Pos Flate Shorted Through Separator, Migration of Meg Plate Material Through Separator, Blistering on Pos Flates, Separator Deteriorated, Geramic Short.	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Concave Sides Causing Bus to Short Against Case, Pos Tab Burned, Migration of Neg Plate Material Through Separator, Separator Very Slightly Deteriorated, Leaked, Lost 6.0 gm.	
CACTES	Н	9	2762	1 601	4285	1413	*9760	*10146	
POSITION	2	ω	5	. †	ដ	9	m	Н	
MAN EEE CEIT	1622	1845	2397	1825	2311.	2400	1636	1616	
TEET TEMPERATURE	0	°	ဂ	°0	ိ	°	•	°	
ORBIT PERIOD (HOURS)	1.5				· · · · · · · · · · · · · · · · · · ·				
DISCHARGE	15%								
PACK NUMBER	61								

CELL TYPE: Gulton 6.0 Ampere-Hour	FAILURE Wickel-Cadmium AMALYSIS	Low Volt Disch, High Volt Chg, High Pres Bulge, Concave Side, Ceramic Broken, No Seal, Lost 5.1 gm, Pos Bus Against Case.	Low Volt Disch, Low Volt Chg, Wall Concave, Ceramic Short.	Low Volt Disch, High Volt Chg, High Pres Bulge, Deposit Around Pos Terminal, Geramic Broken on Pos Terminal, Blisters on Pos Plate, Burnt Spot on Separator at Blisters, Lost 1.3 gm.	Low Volt Disch, Normal Volt Chg, Ceramic Short, High Pres Bulge, One Side Concave Other Convex, Pos Plates Blistered, Lost 2.3 gm.	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.8 gm, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge, One Side Concave.	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, High Pressure Bulge, Concave Sides Shorting Against Pos Bus, Ceramic Short, Migration of Neg Plate Material, Pinpoint Penetration of Separator.	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, Still Under Pressure When Opened, Ceramic Short, Very Light Migration, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Ceramic Short, Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Burned Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deterioration.
	CACIE	1045	1173	1237	1417	2122	1 77	149	164	545	545
	TIEOT AT MI	9	80	7.	ω ,	<u></u>	#	H.	m	α	4
8	nowee Cept	1794	1843	1781	1634	1823	1591	2982	2984	2983	2985
ENTITYE	Test Tempe	٥,	° 0	°	0	°		25°	25°	25°	1 25
EEBIOD	тт я яо я тон)	3.0						o•†8			
	DISCH	25%						50%			
ਬ	PACK	99						79			

CELL TYPE: General Electric 12.0 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Was Opened Up But Did Not Show Anything to be Wrong with Cell, Fallure Due to Loss of Capacity.	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Pos and Neg Terminal, Migration of Neg Plate Material, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Neg Terminal, Pin- point Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Deposit on Neg Terminal, Migration of Neg Plate Material, Separator Deteriorated, Plate Not Packed Evenly.	
	CACTE	8888	8947	9710	566	349	349	349	349	-
	TIEOT AT MI	*	m	Q	QI	Н	m	. 	(
В.	MONUBE CELT	42 8	844	455	208	20t	2 09	210	211	
ENUTAR	TEST	°04	°04	°04	°0†	,0 1	°04′	,0†	°04	
PERIOD	ттяяо ягон)	1.5			24.0					
	DEFTH	75%			50%					
Я	PACK NUMBE	85			93	-				-

CELL TYPE: General Electric 12.0 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.	Low Volt Disch, Low Volt Chg, Deposit on Pos and Neg Terminals, Pinpoint Penetration, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Blistering on Pos Plate, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	Shorted on Cycling, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator, Leaked at Neg Terminal, Epoxy Lifted Up.	Failed During Shut Down of Pack, Separator Deteriorated, Separator Impregnated with Neg Plate Material.	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material.	
	CACLE	3822	4020	4020	3894	3946	500 2	3841	3841	4853	
CK IOM	TIEOT AT MI	е	Q	4	Q	m	#	m	α	Н	
8	MINKBE CELT	544	91/1	7 1 17	1438	435	1437t	429	432	740	
ЭНОТАЯ	Teart Test	25°	25	25	25°	25°	25°	,O†	°047	°04	
EBIOD	TIANO MUOH)	1.5			3.0			ц С.ц			
	DEPTH PISCH	% 0₹			\$0±1			25%			
Я	PACK	96			97			66		-	

CELL TYPE: General Electric 12.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Shorted on Cycling, High Pressure Bulge, Still Under Pressure When Opened, Blistering on Pos Plates, Separator Completely Deteriorated.	Shorted on Cycling, High Pressure Bulge, Still Under Pressure, Migration of Neg Plate Material, Separator Completely Deteriorated	Shorted on Cycling, Migration of Neg Plate Material Through Separator, Separator Completely Deteriorated.						
COMETETED CACTES	4170	4358	7277						
POSITION	æ	Q	Н						:
MUMBER CELL	1 , 27	431	436						
Test Temperature	40°	,0†	°04						
ORBIT PERIOD (HOURS)	3.0								
DEETH OF	25%								
PACK NUMBER	100			,			— 	-	

CELL TYPE: Gulton 12 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Low Volt Chg, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.	Shorted on Cycling, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.	Low Wolt Disch, Low Wolt Chg, High Pressure Bulge, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.	Low Volt Disch, Normal Volt Chg, Piece of Loose Neg Plate Material Between Plates, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.	Shorted on Cycling, High Pressure Bulge, Blistering on Pos Plates, Separator Completely Gone, Hottest Point Near Genter of Pack, All Insulators Burned, Leaked, Lost 3.3 gm.	Low Volt Disch, Low Volt Chg, Deposit on Both Terminals, High Pressure Bulge, Migration of Neg Plate Material, Short Through Separator Near Center of Plate, Separator Completely Deteriorated.		
	CACLE	3060	3318	5124	5036	5152	5152		
	TISOT AT MI	47	m	ľ	4	QI .	m	 	
я	nambe Celt	09†1	1459	1461	7 44 7	1443	144:5		
EHUTAR	LECL	°04	°04	°04	25°	25°	25°		
EEGIOD (S	ттаяо ятон)	1.5			1.5				
	DELLH	25%			\$0 1 7				
R	PACIK NUMBE	290			296	···· —			

CELL TYPE: Gulton 20 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Normal Volt Chg, Concave Side, Neg Ceramic Seal Broken, Lost 23.7 gm.	Low Volt Disch, Low Volt Chg, Lost 13.2 gm, Separator Completely Deteriorated, Neg Plate Material Migration, Pinpoint Penetration, Blistering on Pos Plates, High Pressure Bulge.	Low Volt Disch, Low Volt Chg, Deposit on Pos Terminal, Sides Concave, Migration of Active Plate Material, Blistering on Pos Plates, Separator Completely Deteriorated, Ceramic Short.	Low Volt Disch, Low Volt Chg, Leaked, Lost 14.2 gm, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 21.9 gm.	Low Volt Disch, Normal Volt Chg, Leaked Around Both Terminals, Ceramic Broken on Neg Terminal, Lost 18.0 gm, Neg Plate Material Penetrated Separator, Sides Concaved, Shorting Case to Bus.	Shorted on Cycling, Deposit on Neg Terminal, Ceramic Broken Around Neg Terminal, Extraneous Active Material Caused Short Between Plates, Separator Completely Deteriorated.	Cell Shorted During Shut Down for Cell Removal, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Causing Shorts, Separator Completely Deteriorated.	Shorted During Cycling, High Pressure Bulge, Still Under Pressure When Opened, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated, Short on Upper Corner Near Neg Tab.
	CKCLE	1776	6120	7763	1184	1302	1754	7697	7698	9348
	TIEOT AT MI	ε.	Н	4	#	m	Q	Ø	4	ന
Я	nambe Ceit	396	387	465	1458	419	ंगन	1,53	431	455
TAUTAR	TEST ETMET	25°	25°	25	25°	25°	25°	,०५	%O+7	.04
EEKIOD	тіяяо япон)	1.5			3.0			۲.5		
	DEPTH DEPTH	25%			25%			15%		
Я	PACK NUMBE	73			4L			92		

CELL TYPE: Gulton 20 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 8 gm.	Low Volt Disch, High Volt Chg, Lost 26.7 gm, Ceramic Short Around Pos Terminal.	Low Volt Disch, High Volt Chg, Lost 16.4 gm, High Pres Bulge, Deposit on Both Terminals, Ceremic Short Neg to Case.	Low Volt Disch, Low Volt Chg, Lost 21.6 gm, Deposit on Both Terminals, Sides Concave, Hit Bus on Both Sides.	Low Volt Disch, Low Volt Chg, Lost 18.1 gm, High Pres Bulge, Burnt Separator 5th or 6th Neg Plate Near Top, Ceramic Short.	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Leak, Lost 25 gm.	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Lesk, Lost 25 gm.	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 16.4 gm.	Low Volt Disch, Low Volt Chg, Ceramic Short Around Pos Terminal.	Low Volt Disch, Low Volt Chg, Short Through Separator at Top of Plates, High Pres Bulge on Sides, High Pres, Separator Deteriorated.	Low Volt Disch, Normal Volt Chg, Short Through Separator, Blistering on Pos Plate, High Pres Bulge on Sides, High Pres.	Normal Volt Disch, Went Dead on Chg During Cap Check, Ceramic Short, Separator Completely Deteriorated.
COMBLETED CACLES	163	208	627	627	627	151	151	358	358	7824	2824	4045
POSITION	7	α	ω	#	2	N	Н	m	<u>Γ</u>	<i>‡</i>	2	m
MINGEER GEIT	799	388	394	454	386	422	†0†	99†	429	452	154	378
TEST SHUTARSTMET	25°	25	25°	25°	25%	25°	25°	25°	25°	°0†	°04	,04
ORBIT PERIOD (HOURS)	1.5					O• £				1.5		
DEPTH OF	404					% ○†				25%		
PACK NUMBER	87					88				90		

CELL TYPE: Gulton 20 Ampere-Hour FAILURE Nickel-Cadmium	Shorted Out Following Capacity Check, Leaked, Lost 6.8 gm, Deposit on Both Terminals, Both Ceramic Seals Broken, Separator Completely Deteriorated, Neg Plate Material Migration, Separator Very Wet, Plastic Wrap Burned, Ceramic Short.	Shorted on Cycling, High Pressure Bulge, Pos and Neg Plate Material on Separator, Separator Completely Deteriorated.	Shorted During Cycling, Deposit on Both Terminals, Still Under Pressure When Opened, Concave Sides, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.	Shorted During Cycling, Deposit on Neg Terminal, High Pressure Bulge, Concave Sides, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.	Low Volt Disch, High Volt Chg, Leaked, Lost 24.6 gm, High Pres Bulge, Separator Very Dry.	Low Volt Disch, High Volt Chg, Leaked, Lost 20.4 gm, Separator Very Dry.	Low Volt Disch, High Volt Chg, Leaked, Lost 13.2 gm, High Pres Bulge, Sides Concave, Blistering on Pos Plates.	Low Volt Disch, Normal Volt Chg, Walls Concave, Busses Shorted to Case, Lost 26.9 gm.	High Pres Bulge, Blisters on Pos Plate, Busses Shorted to Case.	Black Deposit on Outside on Neg Terminal, High Pres Bulge, Busses Shorted to Case, Blisters on Pos Plate, Burnt Spot on Separator.
OMEDETED		3385	1480	0844	3111	3111	3629	2107	2203	2291
OSITION		m	Н	a	Q	7	4	m	Q	4
AUMBEH FELT	(7)	412	684	ታ ተተ	435	70 1	438	064	508	467
TEST EMPERATURE	1 ()	,04	°04	°04	°o	0	°O	°O	ိ	°o
CRIT PERIOD (HOURS)					1.5			٦.5		· .
DISCHVEGE					15%			25%		
PACK MUMBER	1 (~)				101			115		

CELL TYPE: Gould 20 Ampere-Hour	FAILURE Nickel-Cadmium ANALYSIS	Low Volt Disch, Low Volt Chg, Shorted at Bottom on Pos Plate, Pos Grid Wire Penetrated Separator, Short at Top Between Pos Grid and Neg Tab, High Pressure.	Low Volt Disch, Low Volt Chg, Short Between Plates, Grid Wire Penetrated Separator, Pos Plate Material Between Plates, High Pressure.	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Short Between Plates, High Pressure.	Low Volt Disch, Low Volt Chg, Short Between Plates, Short About One Inch From Bottom of Plates, Separator Completely Deteriorated, High Pressure.	Low Volt Disch, Low Volt Chg, Shorted Through Separator, Shorted on Bottom Corner of Plates, Separator Completely Deteriorated, High Pressure.	Low Volt Disch, Low Volt Chg, Short at Top Corner of Plate Where Pos Tabs are Connected to Plates, Separator Deteriorated Allowing Plates to Come Together, Blistering on Pos Plates.	Low Volt Disch, Low Volt Chg, Short at Bottom of Pos Plate, Grid Wires Penetrated Separator Where Tape Holds Plates Together, High Pressure.	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Pos Plates, Grid Wires Through Separator, Rough Grid Showing Through at Top and Bottom of Most Plates, High Pressure.	Low Volt Disch, Low Volt Chg, Short Through Separator on Side of Plates, Pos Plate Material Penetrated Separator, High Pressure.
	CKCLE	2672	2826	2980	5005	5005	5213	1747	1963	2937
	TI2 0 4 A4 <i>N</i> I	Н	r.	m	Н	α	ι ν	Ø	7	10
Я	nawee Ceit	69	R36	ic'\	17	8.5	38	6.1	R91	92
HUTAR	TEST TEMPE	25°	25°	25.	°04	°04	°04	250	25°	25°
e) LEKIOD	ттяяо яион)	1.5			1.5			1.5		
	DISCH DELLH	25%			15%			% ○†		
Я	PACK DUMBE	104			112			118		

		*	AMPERE-HOUR	-HOUR C	APACITIES	TES ON		PRECONDITIONING		AND CAP	CAPACITY (CHECK (CYCLES			
	8	ασ		5	PRECO	PRECONDITIONING	MICHIG	ਹ	CAPACITY	Y CHECKS	CS AFTER	TR 88-DAY	i	INTERVALS	70	æ
TYPE	PACK NUMBER	ORBIT PERIC (arrol)	DISCHVEGE	TEMPERATURE	JAITIMI	* (See Mote)		88 Teatt SYAC	DVX2 SECOND 88	88 CAIHT SYAC	88 HTAUON EYAG	88 HIVIY SYAC	88 HIXIE SYAI	SEVENTH 88 DAYS	EIGHTH 88	SACK FAILUF CYCLES TO
G.E.	63	1.5	15	0	3.48	COLUMN TO THE PARTY OF THE PART		3.18	3.12	3.05	3.03	3.05	2.90	3.30	3.50	
3 A.H.	'₹			0	3.50			3.33	3.70	3.38	3.35	3.42	3.27	3.12	1	
	7.		25	25	4.00			3.38	2.93	2,33	1.95	1.42	1.15	1.10		
	16			25	80.H			2.75	2.10	1.35	1 1	1 1 1	1	1	1	5013
	39	•	T	50/40	1.65	2.43	(666)	2.10	1.53	1.25	1.17	0.70	1 1	1	1	8109
÷	73	•	25	04/05	1.80	3.50 ((044)	4 ₩ \$ 0 O	0.88			1		1 1	1 1 1	2509
									,							
M. C	67	· · ·	15	0	3.63			3.25	3.40	3.53	2.97	3.25	2.95			
3 A.H.	8)		0	3.50			3,35	3,53	3.40	3.27	3.25	2.93	2.87		
	19	*	_	25	3.93			3.78	3,48	3.15	3.00	2.78	37.K	2.29	2.20	
	80		-	25	3.78			3,00	2.35	2.07	83	8	4.	1.47	v	
	143		15	50/10	1.77	2.63	(320)	3.30	1.61	1.65	1	1	1			2156
	#	• -!	25	50/10	9	00.4	(725)	1.35	٠.1	15,	0	0.95	0.0			
								-								
Gould	द	1.5	15	0	3.62			8	3.33	3.41	3.21	3.35	3.15	3.47	3.00	
3.5 A.H.	, ix		25	0	3.33			3.85	3.53	3.1.8	3. 30	3.24	2.80	2.65		
	~		-	25	3.5			∞		2.25		1	1 1 1 1	1	-	1304
	#	•		25	15.00 15.00			3.38	2.77		1		-	1		3164
	2		:	50/40	1.53	2.63	(966)	5.07	1.95	1.90	-	1	1	1	-	1485
	88	·	25	50/40	1.55	2.07	(H2H)	3.86	-							1811
		<u></u> ,				,		- }		1	į.					
Gould	55	~	15	q	3.27			3,59	-1	3,38	3.33	3.27	3.03	2.77		
3.5 A.H.	5)	25	a	3.50			3.91	3,53	3.65	ĩ K	3.38	3.30	3.27		
	7		25	25	4.32			ტ ქ	3 79	3,53	2.77	2.28	13.2			
	00			2, 2	4.29			3.65	3.35	3.03		1		1		7645
	ट्स			50/40	3.	1.31	(338)	1.75	90	2.16	-					HESE
	মু			04/05	1.55	-,66	(364)	0 T						1 1 1		9.75
	,		•	į				** -	:							
* Precon	dit	~1	8	change to	9	e e	Rumber of	cycles		completed	at 50°	C 18	ta par	parentheses	es.	
STILL	2	.														

Sonotone 5 A.H. 5 A.H. 1975 Solve of the control of		ŀ	₹	AMPERE-HOUR		CAPACITIES	SEI O	PRESOCI	PRESCRIPTION DRO		AND CAPACITY		CHECK	CICIPES			
Colores for the property Colores for the pro					[PRECO	NDITION	DIC	ರ	APACIT		- 1	1	i	TERVAL	Ω.	30
49 1.5 1.5 0 5/15 5.54 6.50 4/96 4/79 4/71 4/71 4/71 4/72 3.67 </th <th>TYPE</th> <th>-</th> <th></th> <th></th> <th></th> <th>TAITINI</th> <th>* (See Mote)</th> <th></th>	TYPE	-				TAITINI	* (See Mote)										
1	Sonotone	1	•	11		5.45			5.54	5.50	96.4	4.79	4.71	4.50	4.54		
1	5 A.H.		•			5.04	And the control of th		4.96	4.58		3.79	3.67	3.67	3.46		
Fig.		<u>_</u>	3 L	i	-	5.42			3.67	2.33		2.79	2.2	2.58	2.80	2.46	
Fig.		<u>τ</u> α	<u> </u>	;		6 42			ч.38	4.17	3.25	3.8	1			1	1697
26 25 50/Lo 3:7 (445) 275 249		1 п.	i		9	1	ە !	(703)	2.25	1.83	7.04	1.17	1.17	1.54	0.83		
6 53 3 15 0 5,67 3,19 5,67 5,19 5,67 5,13 5,50 5,54 5,00 5,10 1,10 1,10 1,10 1,10 1,10 1,10		10	J	ŧ	101		3.17	(445)	2.75	2.93			1		1		3625
State Stat				1			1	:	· ·								
54 25 0 4 q 1 3 q 6 41.5 3 q 6 41.5 3.45 3.45 3.15 4.11 4.1	Sonotone				0	5.67	**************************************	:	5.79	5.67	5.42	1	5.50	5.54	5,00		
5 25 25 27 4.59 3.04 3.04 3.13 4.09 3.13 4.09 3.13 4.09 3.13 2.00 2.13 2.13 2.00 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.13 2.14 4.14 <td>5 A.H.</td> <td></td> <td></td> <td></td> <td>0</td> <td>4.92</td> <td></td> <td></td> <td>3.96</td> <td>3.96</td> <td>4.13</td> <td>3.96</td> <td>3.75</td> <td>3.29</td> <td>_1</td> <td></td> <td></td>	5 A.H.				0	4.92			3.96	3.96	4.13	3.96	3.75	3.29	_1		
61 1.5 1.5 0 5.00		. 5			25	5.71	! !	:	4.53	3.04	7.04	2.13	2.13	3.08	4.4		•
29 15 50/40 3.33 4 9.4 (1313) 1.88 2.38 2.4 20 8 1.96 1.29 1.79 41.41 61 1.5 15 0 5.00 1.75 2.10 5.10 1.45 3.15 2.60 2.16 1.75 62 25 25 5.00 1.40 2.5 2.10 1.70 2.45 2.20 2.10 1.75 63 25 50/40 2.65 2.90 (1.14) 1.55		9		!	25	5.83			4.50	3.29	3.25	2.92	2.33	2.33	2.00	~	
1.5 15 0 5.00 1.85 1.87 2.88 2.38 1.67 1.21 1.25		20		:	_	3.33	4.92	(223)	2.75	2.38	47. E	3.08	ا. و	1.29			
61 1.5 15 0 5.00		30	**	1		3.75	3.50	(183)	88	2.88	2.38	. و	[E.]				~
61 1.5 15 0 5.00 5.10 5.40 44.45 3.15 2.60 3.30 3.30 3.30 3.30 3.30 3.30 3.30 3.30 3.45 4021 </td <td></td>																	
62 25 0 5.00 4.75 3.80 4.35 3.55 3.50 3.95 4.03 13 25 25 5.80 2.75 2.85 2.70	lulton		•	1	0	5.80			5.10	5.40	4.45	3.15	2.60	2.15	1,75		
13 25 25 5.80 3.45 4021 140 25 6.40 3.45 492 1.85 3.00 4021 1.85 3.00 4021 1.85 3.00 4.20 1.877 1.	6 A.H.	62	<u>'</u>	1	0	5.00			4.75	3.80	4.35			3.30			
14 40 25 6.40 3.45		13	l	:	25	5.80			2.75	2.85	2.70		-	1 1			4021
37		7.			25	6.40			3.45		1		1	1	4		2086
38 25 50/40 3.65 2.90 (114) 1.55		37			50/40	75	3.60	(334)	1.70	5	1.85	8		1	1	1	1909
65 3 15 0 4.50 5.45 5.35 5.15 4.50 3.40 3.45 7.15 6.85 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5		38			\sim	65	2.90	(HII)	1.55						1		1377
66 25 0 4.35 3.50 3.50 3.80 3.49 3.45	այլ ton			J.	0				5.45	5.35	5.15	ч.50	4.50	5.15			
17 25 25 5.80 18 40 25 4.55 4.55 3.45 3.6	# V Y			, L	- -				00 13	3.50	2.50	3	3 90	71.6	1		7/17
4.95 3.16	•11• 0) [-		٠ ١ ٠	С		1		3.65	3.45	2.50	30	1	2 1	1 1	7	2885
15 50/40 2.75 4.55 (94) 2.15 2.10 2.35 1.85 1.50 1.30 41.3		80		. 0	25.			:	4.95	3.16	1 1 1	1		1			15.50
25 50/40 2.60 3.80 (96) 2.15 2.10 2.35 1.85 1.50 1.30 413		17	-	7	50/40		4.55	(334)	2.05	1.63	1						1689
		75		٠٢٠	50/140		3.80	(96)	2.15	2.10	2.35	1.85	1.50	1.30	1 :		4133

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

	E	BACK FAILUR				4020		4853			1				:			2980	2937	5213	1574				1793		483	
	တ	EIGHTH 88												:		!		1		1			!			:		
	INTERVALS	SEVENTH 88	14.3	10.8		i	2000		11.4	4	5.10	5.70	4.40			0a 3-	13,5		1			16.7	15.00	20.5		#		
CYCLES	88-day in	88 HTXI2 SYAI	13.7	1.7	8.8		1.90		0.4	11.7	04.4	5.50	2.30	4.00		23.3	13.5		! !	1 1		/8.3	17.0	10.5				
CHECK	'	FIFTH 88	1.4.	11.5	5.70		5.00		5.6	لى. م	08 F	08.9	2.90	4.00		2.7	17.5			1		19.7		20.7		13.3	1	
CAPACITY	KS AFTER	88 HTA UO T EXAU	12.5	± =	5.40		4.90		-2.	اع. ي	5.20	8.30	3.50	5.10		24.7	17.7	1	† † †	7.0		25.8	8.80		1 1 1 1	15.2		1
AND CAP	Y CHECKS	88 CAIHT SYAC	13.0	8.61	. 43	1 1 1 1 1	5. 8	1.40	0 =	6:1	6.13	7.90	3. 8.	5.70		24.7	18.7			12.5		20.3	(8 .)	21.3		16.8		4
	CAPACITY	SECOND 88	10.4	12.9	5.55	7.65	4.70	5.20	10.7	٦.	8.3°	5.86	3.70	7.70		26.5	15.2	0.4.0		15.3		21.5	25.0	12.7	21.9	14.8		
PRECOMDITION ING	8	88 TEATY EYAU	12.7	13.5	% 00.	900	5.00	4.90	13.2	13.0	<u>-</u>	3.8	8	3.80		27.7	7.12	18.5	23.3	15.7	15.2	23.2	17.5	23.5	24.7	8.11	8.17	4
al.	MING	(agon ang)					(334)	(195)			!	1	(305)	(70)						(183)	(1326)					(44)	(126)	
TES ON	PRECONDITIONING	(See Mote)				1	8.30	8 9				:	8.30	08.6						6.83	13.9					9.67	7,50	
CAPACITIES	PREC	TAITINI	13.9	<u>ب</u> 2	15.2	8.1	08.9	6.90	7	146	15.2	4.9	7.10	2.8		27.5	23.1	25.0	247	4.67	9.00	23.0	23.0	23.3	24.8	9.50	9.33	901
- h	5	TEMPERATURE D°	0	0	25	25	50/40	20/140	0	0	25	25	50/103	20/140		0	0	25	25	20/40	50/40	0				,	3	
AMPERE-HOUR		DEPTH OF	15	25	25	9	15	25	15	25	25	3	15	25		15	25	25	9	7	25	15	25	25	3	15	25	
-	σ	DIRET TIERO (arwoH)	1.5						m							1.5						~						
		PACK NUMBER	ĭ	124	88	96	8	9	 <u>日</u>	9	8	9	8	9		78	8	101	118	4	8	 	ま	105	3	807	122	_ ;
		ÄÄÄÄ	д Н	12 A.H.					G.E.	12 A.H.						Gould	20 A.H.					Gould	20 A.H.					<u>,</u>

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses. ** Still at 50° C.

	36	CACIES TO	3631	3388	7763	627		4045			1754	358				991	210				349		3227
	8	EIGHTH 88		1 1 1																			
	INTERVALS	SEVENTH 88							75	13.5			5.17									1	
CYCLES	_ '	88 HTXIS SYAG				1	5.17		17.0	15.8	1		5.00	5.50			1 1 1						
OHBOK	ER 88-DAY	88 HTATA SYACI			8.83		5.0		17.3				۲9.۲	7.17				3.50					
CAPACITY	KS AFTER	88 HTHUOT SYAU			8.67		H.67		2 6	19.5			5.33	6.83			1 1	7.05					
AND CAP	Y CHECKS	88 CRIHI EYAC			7.83		5.50	7.33*	20.3	19.3			4.83	7.67		4		4.25		(100c)	5.00		
	CAPACITY	SECOMD 88	5.67		9.50		4 83	10.3	25.2	.	7.17	-	5.33	6.67				T. TO		(J.Oh.)	6.50		45.4
PRECONDITIONALMO	o	88 Teait eyan	12.5	11.2	7.17		6.50	6.00	00	20.7	6.17		7.33	6.67		3.8	0.61	3.55			7.60	:	59.6
ĦO.	PRECONDITIONING	* (see Mote)					13.8 (171)	11.3 (65)		· · · · · · · · · · · · · · · · · · ·			(17) (71)	10.3 (47)	The state of the s								
CAPACITIES	PRECO	IAITINI	۲. ۲.	17.7	23.3	23.3	10.3	8.0	16.2	2.7	20.3	8.61	9.50	4.17		13.8	13.5	09.9			13.0		24.6
	2	TEMPERATURE C	Ó	Ō				3) C	ر ار	25	50/40	50//10	-	0	0 ⁴	25			*** 0†		၀ဍ
AMPERE-HOUR		DEPTH OF	15	25	25	10	15	25	ני	1 0 7	70	3	15	25		50	5	50			20	:	25 15
•	α	ORBIT PERIC (ETWOH)	1.5	1						<u> </u>						42		 54			57		 1.5
	}	PACK NUMBER	101	119	73	8	76	8	(ארר	74	- 00 - 00	3 E	9		53	33	 7			93		 95
		BAXI	(Aulton	H						# V 00						Yardney	12 A.H.	Gulton	о ж.п.		д. Б	12 A.H.	Gulton 50 A.H.

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.
** Two cells only; pack failed during capacity check.
*** Changed from 25° to 40° C ambient after 173 cycles.

Œ	CACIES TO																tion of the second seco							
	98 htvat Syad																							
	88 HTVIV EYAC																							•
INTERVALS	EICHIH 88																							
	DV AR EAEM LH 88																							
IR 88-DAY	88 HTXI2 SY A O																							
CS AFTER	88 HTTT SYAG																							
CHECKS	88 HTRUOT SYAG							•																
CAPACITY	88 Q RIHT SYA Q	3.50	2.72																					
Ö	SECOND 88	3,47	2.78	1.17																				
	88 TEAIT SYAG	3.55	3.05	1.40	1.32		201				292		234		00	1.04								
	INITIAL PRECONDI- TIONING	3.23	3.88	3.35	3.60	3.53	3.48		4.92	96.6	3.38	4,13	5.33	5.50	4.21	2 7/								
	TEMPERATURE 5°	0	0	25	25	017	04		-20	250	С	0	25	25	01	101	2							·
	DISCHARGE	15	25	25	140	15	25		25	017	25	0	25	107	25	10/15	77 01							
Œ	ORBIT PERIC	1.5	į						1.5							- ~			 ·				 	
1	. BACK NUMBER	870	ָרָהָ קריים	200	808	226	237	· •	175	000	0	322	0 0	1 0 1 1	000	770	4							
		Sonotone	(Triple	Sep led	3 A.H.				Sonotone	(Stabia-	(+ O +	# V Y												

CYCLES	一、一、一、一、一、一、一、一、一、一、一、一、一、一、一、一、一、一、一、
CHECK	1
G AND CAPACITY CI	The second secon
3 AM	The second second
ON PRECONDITIONIN	中国 "这个人就是我们的特别的人的
rΩ	
AMPERE-HOUR CAPACITIES	12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -

,					
7	GACTES TO				57
	88 htnet eyad				
	88 HTVIN SYAC				
CHECK CYCLES	EIGHTH 88 EZAC				
TY CHECK	: DVAG				
H		6. 6.			
	88 HTITI SYAC A8 HTIXI2	1.93 1.93 1.93 1.30			
\mathbf{H}	SA HTWOT BAYS BAYS BAYS BAYS BAYS BAYS BAYS BAYS	3.80 80 93 53			
NUDITION	88 GRIHT SYAG	4.00 3.73 1.83 1.87 1.47	14.2 14.2 4.10 5.00 3.30 3.70	3.20	
	SECOND 88	3.87 2.07 2.07 1.67	14.1 14.4 3.50 3.60 3.60	3.60	
LIES ON	88 TERIT EYAU	3.57 4.00 2.47 2.00 1.77	14.5 14.5 10.70 1.30 5.40	7 30 3 00 1 75	
AMPERE-HOUR CAPACIT	INITIAL PRECONDI- TIONING	5.04 4.83 5.00 5.00 4.20	14.2 (4.2 (3.3 (6.80	7,30	0. 1.
-HOUR	TEMPERATURE . 5°	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 40	ro au
AMPERE	DISCHVEGE	22.23.23.23.23.23.23.23.23.23.23.23.23.2	25 25 25 25 25 25	20 40 70	175
	ORBIT FERIOD (HOUTE)	L		Ч	4
-	PACK NUMBER	325 325 325 325 325 325 325 325 325 325		213 218 238	6
	EYPE	Gulton (Comm.) 4 A.H.	Gulton 12 A.H.	Gulton (HSI) 6 A.H.	Y ar dne.v (AgZn)

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AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES	
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TES ON		88 TERIT EYAU	5.17	5.38	3	2.55	~ ∕∞	1.42	7.00	7.50	3.15	3.85	2.25	0/ 7			5.08	5.50	F.13	3.58	142	2.25		:	:	:					
APACITIES		INITIAL PRECONDI- TIONING	5.00	5.38	5.25	5 46	3,29	3.04	7.15	7.25	7.10	5.95	2.95	3.95		į.	S 42				3.67			0 4) } 	· (0/0)	5,30*	15,00	4
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MPERE		DEPTH OF	15	25	15	25	15	25	 25	9	04	25	15	25			15	25	15	25	15	25		0.5	<u>)</u>	0	1	} } 	25/40		
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AMPERE-HOUR CAPA	3	TEMPERATURE D°	-20	0	25	04		S	24	0 2	Q S	0#		0	25	047			25	25			25						
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	Ş	PACK NUMBER	442	200				0	77	966				750	72	7 45			409	, 233	_		9						
		TYPE	Gulton	(Neoprene	seal.	folded)	5.6 A.H.		rot ton	(Reoprene	Seal non-	folded))•0 A•n•	Yardney	(0-3	Separator	5 A.H.	•	Yardney	(Radiated	Separator)	Э А•н•	Vendney	(Pellon	Control	Separator	5 A.H.		

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		88 DAYS																			
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PERE-1		DESCHARGE	017				04					25		25	25						
8	α	ORBIT PERIO (aruca)	77				1.5					 1.5				-					
٠.	;	PACK NUMBER	609				239	\				185		197	78 78						
		TYPE	Delco.	(Silver-	Zinc)	25 A.H.	Gulton	(Neoprene	Beal	folded)	3.6 A.H.	Yardney	(Silver-	Cadimum)	12 A.H.						

PACK.	0/	10	.5>	/ s j			0/	. 10	0,'				01	5					0/	0/			
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ED DIFFERENCE	844	845					255	258	852				8.5%	44.8					.852	802			
CYCLES COVERED	68821	12863	FAILED	FAILED	FAILED	FAILED	6231	8529	6313	FAILED	FA 200	FA12ED	12906	12572	FAILED	FAILED	FAILED	FAILED	6331	6254	FAILES	FAILED	FAILED
CYCL	12441	12415					5995	6080	6055				85421	12124					8209	9509			
CHARGE VOLTAGE LIMIT	1.55	n	1.49	"	1.45	1.41	1.55	11	1,49	11	547	11	1.55	-	1,49	11	1.45	11	-5:51	, ,,,	641	"	1, 45
PERCENT OF RECHARGE	115	. 11	125	•	09/	"	115	-	125	11	091	11	115	-	125	,,	160	11	115	11	125	11	12
PERCENT DEPTH OF DISCHARGE	15	25	25	94	151	25	15	ره رځ	120	40	151	25	1.51	25	25	04	15	25	15	25	25	011	01/
CHARGE	1.0		-1	11	11	1,1	2.5	1	1	••	-	11	7.0	Ξ	1	Ξ	=	. 11	2,5	ŧ	=	:	= =
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TEMP.	0	0	25	25	40	40	0	0	25	25	Oh	40	0	0	25	25	10%	40	0	0	155	25-	125
PACK NO.	63	64	75/	9/	39	40	67	63	19	20	43	44	51	52	3	4	97	38	55	56	7	 8	8 2
CAPACITY A. H.						n)									-	1	ر. ن					
MFR.						n in		pages	9/ _ 7/									GontD	1 20000/	08-26			

						PERCENT	LN	CHARGE					REMAIN-
₹ .ĸ	A. H.	S S S S S	- E C E C	DISCHARGE	CHARGE	DEPTH OF DISCHARGE	OF RECHARGE	VOLTAGE	CYCLES INITIAL FI	ES COVERED	ED DIFFERENCE	ING IN	PACK
		49	0	0.5.	1.0	51	115	1,55	12053	12500	147	8	8
		50	0	'1	п	35	"	",	12070	12491	421	01.	6
		/	25	1	=	25	125	1.49		5A16E0			
		જ	25	=	z	94	11	И		FAILED		٠	
		25	40	=	=	15	160	1.45		FAILED			
		26	40	- 11	. =	25	"	"		FAILED			
SONOTONE	<u>م</u>	53	0	1	2.5	15	5//	1,55	2939	1619	256	0/	10
130,000		54	0	11		25	11	11	5920	8219	208	01	01
(8-18)	ţ	P	75.5	=	11	25	125	1.49	5783	109	258	8	8
/		9	35,	=	=	94	¥	11		(vitted			
		29	01,	=	-	15	091	1.45	5605	5825	180	9	5
4		30	04	=	11	25	1/	1,1		FA11 57			
		19	0	1	1.0	_5/	_377	1.53		02717/1			
		62	0	=	.	250	3	11	11743	12190	447	ø	0
		/3	25	=	=	275	125	1.49		FAILED			
		41	25	=	=	04	=	×		FAILED			
	······································	37	0,	=	-	757	160	1.45		FALLED			
,	(38	40	٤	h	25	"	,,		FAILED			
GULTON	٥	65	0	-	2.5	15	115	1155	5852	0119	258	0	8
,		99	0	=	r	25	"	"		FAILED			
peges \		17	25	=	-	25	125	1.49		FAILED			
(00 -/ 0)		18	शुर	5	=	04	"	"		FAILED			
		1//	40	-	:	15	09/	1.45		FAILED			
		42	40	-	=	25	"	"		FAILED			

MFR.	CAPACITY	PACK	TEMP	ORBIT PERI	RIOD (HRS.)	DEPTH OF		CHARGE	CYCL	CYCLES COVERED	Q3	CELLS	REMAIN- PACK
	A. H.	NO.	ပ	DISCHARGE	CHARGE	DISCHARGE	RECHARGE	LIMIT	INITIAL	FINAL	DIFFERENCE	INITIAL	FINAL
	,	011	0	0.5	0.1	lΩ	115	1,555	11835	12282	447	5	5
		13H	0	=	11	25	"	"	11602	12049	447	6	5
		82	25	14	11	25.	125	1.49		FAILED			
		96	25,	-	:	0,4	"	"		FAILED		•	
		85	04	17		15	09/	1.45		FAILED			
L	0	66	94	V	7	25	11	11		FAILED			
ر ا	7	///	0	1)	2,5	15	511	1.55	5899	2019	802	5	5
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		125	0	=	2	25	"	11	5892	0019	208	2	7
(66 - 68)		83	255	3	-	25	125	1.49	5905	6113	208	5	5
		66	755	-	1	04	,,	"		FAILED			
		%	04	=	j	151	09/	1.45	5710	8165	208	5	5
		100	64	r	11	25	1.1	11		52 11 5 N			
		48	0	=	1.0	15	5//	1.55	11783	12250	447	5	5
	-•	88	0	=	ħ	25	"	"		FAILED		/	
		401	25	=	•	25	125	1.49		FAILED			
		811	25		4	40	74	11		FAILED			
		112	40	1		15	091	1.45		FAILED			
(20.	136	40	=		25	11	141		FAILED			
COULD	ر ر ر	B	0	12	2,5	751	115	1,55	5869	6103	234	5	5
/pages /	-	46	0	=		25	"	"	5729	2882	258	5	5
86-86		702	35	=	-	35	125	1.49	5582	5751	691	Ŋ	0
_		119	25.	Ξ	1.	40	11	"		FAILED			
		801	94	=	3	15	1,60	1.45		Frien	;	!	
		122	4,0	=	1,	27.5		11:11					

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REMAIN- PACK							1	5			3		5	5	5	5	5	5	5	5	5	2	6	¥
CELLS ING IN				•			×	5			4		ک	5	15	5	5	5	5	5	ک	4	P	7
ANADALA	1						254	258			174		447	8/1/8	8/1/2	864	238	2/4/8	464	848	399	399	445	824
CYCLES COVERED	FALLED	FAILED	FAILED	FAILED	FAILED	FAILED	5931	5775	FAILED	FAILED	5819	FAILED	5/76	4530	5197	4500	6867	4469	0164	4532	5072	4451	2//2	4394
CYCL							5697	5517			5645		6214	2804	6464	4052	4751	4021	4506	1804	4673	4052	71.94	3966
CHARGE VOLTAGE	757	2	6/11	"	5h"/	"	1.55	,,	1.49	"	1.45	11	1.49	11	:	•	•	, N	И	Į,	"	1,1	1	:
PERCENT OF RECHARGE	\ <u>\</u>	2 -	125	11	160	"	115	11	125	4	091	11	110	11	120	2	130	11	110	,,	120	, d	130	11
PERCENT DEPTH OF DISCHARGE		35	عح	Оh	15	25	15	25	25	0H	151	250	1,5	25	15	25	15	25	15	35	15	25	15	25
CHAREE		_		11	11	11	2.5			11	:	11	1.0	:	÷		5	.	z	,,	:	3	:	:
ORBIT PERIO	75.0	2	ε	10	ı	2	95	E	. 9	ı	=	=	٤	s	:		=	11	:	:	:	,	=	:
TEMP	C	0	25,	25	94	ah	0	0	ارگر	کرہ	017	04	0	0	25.	150	10	94	0	0	25	25	40	40
PACK	-i	7	73	87	%	90	103	9//	46	88	7.7	16	103	107	106	304	113	HII	117	121	120	318	127	128
CAPACITY		•		•		(20		•						١	2					7)		
MFR.							GULTON		/pages	1/01-44	,				١.	ر ا ا ا ا	/ Pages	102-107			GULTON	NIMBUS	/ peges // // // // // // // // // // // // //	/

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RCCKIN- PACK TRIAL	7	X		1-	8	5	5			·		5	<i>b</i>		<u></u>		N		5	X	5	5	5	7
CELLS REGAIN ING IN PACK INTOTAL THIST	*		1	5	5	5	5	:			1	5	<i>w</i>		5 5	*	<i>W</i>		6	*	5	5	<u>-</u>	
	~		A			()	7)		<u>A</u>	A											`',	`'		
JOHNERACE ED	454	535	510	519	585	210	211		INUE	TINUED		508	27,		400	389	439		875	447	90	37	381	381
IS COVERI	5010	2069	619	6174	1417	1,841	2698		DISCONTINUED	DISCON		2030	5802	FA160	3071	2882	3440	FAILED	3170	3262	90	37	381	186
CYCLUS COVERED INTERED TO	4551	4534	5681	5665	3586	4331	2/8/		ρ	Δ	!	1522	8/8/		2671	2463	300/		2722	2115	0	0	0	0
CHARGE VOLTAGE LIMIT	1	1	١	1		J	1		1	ļ		•	1	J	ł	1	1	١	l	J	١	١	١	١
PERCENT OF RECHANGE		\	l	١	ı		1	1	١	1	\	_		1	1		1	ì	1	ļ	١	i	1	
PERCENT DEPTH OF DISCHARGE	35	40	94	25	15	25	25.	40	25	94	10	25	25	40	25	0/2	, 5 d	40	25	oh	25	60 Ads 40	09	75
IOD (HRS.) CHARGE	1.0	3	2		:		.	:	:	2	:	<u>:</u>	=	-	=	=		7	-	-	1	11	11	"
ORBIT PERI DISCHARGE	0.5	3	:		:	=	:	s	•	÷	s	:	=	=	1	=	11	1,1	=	1	,,	,,		"
TEMP.	٥	0	35	35	40	04	0	0	25	25	40	04	-20	-30	0	0	25	25	40	40	-20	-20	0	9
PACK No.	59	17	=	23	35	47	09	72	ď	24	36	8 T	175	686		333	+		 	3/2	174	388	861	308
CAPACITY A. H.	9	(THIRD)	(ELECTRODE / -	<u></u>	- 1		-2	THIRD	- / accurati			4	150	(STABISTOR)			**************************************				1.25			
MFR.	GULTON				/ pages	(6//-4/)	u	ક			/ pood/	1/21-021)	SONOTON &					104065	122-127		6. Tou	128-	/3/	

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MFR.	CAPACITY	PACK	TEMP	ORBIT PE	RIOD (HRS.)	PERCENT DEPTH OF	PERCENT OF	CHARGE	CYCL	CYCLES COVERED ING IN	g	CELLS ING IN	REMAIN-
	A. H.	NO.	၁	DISCHARGE CHARGE	CHARGE	DISCHARGE	П	LIMIT	INITIAL	FINAL	DIFFERENCE	INITIAL	FINAL
GULTON	4	315	0	0.5	1.0	15	115	1.55	8539	9868	447	7	6
/pages /		326	0	••	••	25		u	9010	9457	447	þ	6
(132-138)		५०४	25	11	11	15	125	1.49	1188	9259	448	5	8
		त्राम	25	11	**	40		2	8370	1448	104	¥	3
		338	94		ų	15	160	1.45	8704	2516	448	5	5
	-	240	ν	"	t	25	'n	3	8278	9816	448	×	¥
GULTON	12	216	,	11	•	51	115	1.55	2442	5619	448	z	6
/ pages /		301	0	u	11	35	115	1.55	1199	7058	444	4	¥
(128-14/)		727	15	1.1	11	35	125	1.49	6009	6452	448	2	6
		396	25	11	11	٦h	125	1.49		FALLED			
		78	40	11	-1	15	160	1.45	6564	7013	449	1	*
		290	40	1.1	11	25	160	1.45		FAILED			
GULTON	9 (ISH)	213	0	'n	:	25	115	1.55	5714	1919	447	2	6
/ puges		318	25:	ч	1	40	125	1.49	5584	109	430	¥	7
		338	40		ı	25	160	1.45	5216	5733	447	ع	3
SONOTCHE	M.	243	0	•	-	15	115	1.55	3607	4046	439	2	5
/ podes	(TRIPLE SEALED)	231	0	:	2	25	115	5	3607	1046	439	4	6
145-		203	25,	ï	,	25	135	1.49	3766	4214	448	ک	7
/ 25/ /		202	50 G	:	æ	70	125	24	3447	788€	447	1	¥
,		326	40	=	5	1.51	160	1.45	3595	3993	398	5	5
		237	01	3	\$	25	091	11	3565	3104	447	5	2
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C. 30A C	+						PERCENT	LN	CHARGE				CELLS	REMAIN-
\$\sigma_{1} \frac{257}{409} \frac{25}{25} \frac{1}{10} \f		CAPACITY A. H.	S S	TEMP.	DISCHARGE	503			VOLTAGE	CYCL INITIAL	ES COVERE FINAL	FFERENCE	INITIAL	FINAL
5.0 409 25 "" " " " " " " FAILED 69 25 "" " " " " " 11 1/5 1/7 32 5 5 6 6 23 5 6 6 30 4) 14 5 6 1 5 6 6 30 4) 14 5 6 1 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 3 5 6 6 6 6	<u> </u>		257	0	0,	23.0	20	(,304)	1.50	8-51	061	32	5	2
5.6 23 25 11 11 11 11 11 175 147 32 5 5.6 232 20 0.5 1.0 25 115 1.55 180 1794 5 230 0. 11 11 11 11 11 11 11 11 11 175 147 5 200 0. 11 11 11 11 11 11 11 11 11 11 11 11 11		\ \	404	25	Ξ	=	11	11.	"	431	FAILED			
5.6 25 "" " " " " " "		; ;	3,	25	=		1	11	=		FAILED			
4/5 4/0 " " " " " " " " " 10 1/5 1/7 1/7 32 5 5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/7 32 5 5 5 5 1/5 <td></td> <td></td> <td>69</td> <td>25</td> <td>=</td> <td>2</td> <td>Ξ</td> <td>(1)</td> <td>11</td> <td>//5</td> <td>147</td> <td>32</td> <td>2</td> <td>8</td>			69	25	=	2	Ξ	(1)	11	//5	147	32	2	8
5.6 232-20 0.5 1.0 25 115 1.5 140 324 444 5 20.0 0.5 1.0 2.5 115 1.5 140 1304 444 5 20.0 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.5 1.6 2 447 5 390 0. 11 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.5 1.6 2 447 5 396 2.5 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.5 1.6 2 447 5 396 2.5 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.5 1.6 2 447 5 396 2.5 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.5 1.6 2 447 5 397 2.5 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1		-	45	70	=	=	=	-	11		FAILED			
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REMAIN- PACK	FINAL	5	10	5	0/														
CELLS	NITIAL	2	5	5	0/														
CELLS REMAIN-	DIFFERENCE	12/	28	447	31														
CYCLES COVERED	FINAL	5/18	901	8011	104								·					,	
CYCLE	INITIAL	93	28	199	73														
CHARGE VOLTAGE		1.60	1.58	1.55	1.97														
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(HRS.)	1RGE	0 /	11	1.	23.0														
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# 1.50) H. O + O + O	7	7 5 470	CTRUC DED		PERCENT DEPTH OF	PERCENT	CHARGE	300			CELLS	CELLS REMAIN-
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So Ho Ho Ho Ho Ho Ho Ho	NEY	12	57	0	1.0	23.0	50	*	1.50		FAILEU			
12 79 25 1.0 23.0 50 200 1.49 EALLED 12 73 25 1.0 23.0 50 200 1.49 EALLED 13 40 41 41 41 41 41 41 41			33	40	11	11	N ·	*	1.50		FAILED			
12 9.3 25* 1.0 23.0 50 200** 1.19** FAHED 50 9.5 0.5 1.0 25 115 155 FAHED 13.3 40 " " 15 160 1.45 FAHED 25 75 25 1.0 23.0 40 ** 1.97 FAHED 89 25 " " *	ZO	9	79	25	1.0	23.0	50	300	1.49		FAILED			
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12 93 25 1.0 23.0 50 200 1.19 4 FAHID 50 95 0 0.5 1.0 25 115 1.55 FAHID 25 75 25 1.0 23.0 40 * 1.97 FAHID 188 25 1.0 23.0 40 * 1.97 FAHID 188 25 1.0 23.0 42 5 1.0 FAHID 24 25 1.0 23.0 42 5 1.97 DISCONTINU 25 25 375 1.0 23.0 42 5 4 1.97 DISCONTINU 26 375 25 1.0 23.0 42 5 4 1.97 DISCONTINU 27 27 27 27 23.0 42 5 5 5 5 5 5 5 28 25 25 25 25 25 25 25														
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	11.	50	95	0	0.5	0.1	25	115	1.55		FAILED			
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(NaOH) + 188 25 0.5 2.5 ". * ". DISCONTINU 40 475 25 1.0 23.0 25 + 1.97 DISCONTINU (2. Mar. Lun. 9 25 1.0 23.0 42 (5amp) (500 No.) 1.97 FAILED	- - -		68	25	=	=	=	*	_		FA11.50	:		
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* DOES BY A PAYLY ** CHARY OF THE AFTER CYCLE 173,

		END OF DISCHARGE	END OF CHARGE
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T TEMP IT PER	۲	1.23 1.23 1.23 1.23 1.22 1.22 1.24	0.00
TEST	9	23 11.23 11.23 11.22 11.25 11.25	1.588 1.588 1.588 1.588 1.560 1.661
15 115	AGES 5	1.24 1.24 1.24 1.23 1.25 1.25 1.25 1.25	1.655 1.664 1.664 1.660 1.600 1.664 1.664
SCHARGE RECHARGE	ELL VOLT	1.22 1.22 1.22 1.22 1.22 1.21 1.24 1.23	
0 آر	CEL 3	00000000000000000000000000000000000000	1.61 1.61 1.61 1.60 1.60 1.60 1.60
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u u	=	1.023 1.023 1.023 1.023 1.023 1.023 1.023	1
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. r 63	PACK CU VOLTAGE 0	12 • 35 12 • 33 12 • 34 12 • 34 12 • 34 12 • 26 12 • 53 12 • 53	15.53 15.53 15.51 15.44 15.42 15.43 15.71
ACK NO • E • B A	CYCLE P.	12478. 12503. 12580. 12610. 12679. 12711. 12744. 12793.	12478. 12503. 12580. 12610. 12711. 1274. 12793. 12826.
م ت	UZ		<i>H</i> 2

		END OF DISCHARGE			CHARGE	
U Ž	10	1 • 19 E		50		1.51
ATURE O	٥	1.20	1.19			1 • 55 • 55 • 55 • 55
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ST TEN BIT PE	^	1.000		NN	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.54 1.52 1.51
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25 E 115	TAGES 5	1.22		1.22	1.022	1.52
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7 0F	я Э	1.0.1		100	1.661 1.561 1.560 1.660	1 • 60
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0. 64 A.H.	PACK C VOLTAGE	12.03 12.01 12.01	000	12.13	100 100 100 100 100 100 100 100	15.48 15.47 15.42
BACK NO.	CYCLE P	12448• 12477• 12555•	268 268 268 278	12863•	12448. 12477. 12555. 12584. 12653.	12767• 12800• 12863•

		END OF Discharge	END OF CHARGE
S S	10	1.23 1.23 1.23 1.23	1 • 6 • 6 • 6 • 6 • 6 • 6 • 6
URE O	6	1 • 2 4 1 • 2 4 1 • 2 3	1.57 1.56 1.52 1.52
'EMPERATURE O PERIOD 3 HOURS	œ	1. R3 1. R2	1 • 58 1 • 57 1 • 59 1 • 59
_	7	1.23 1.23 1.23	1.56 1.57 1.55
TEST ORBIT	ø	1 • 2 4 1 • 2 4 1 • 2 4 1 • 2 4	1.62 1.61 1.62 1.61
15	AGES 5	1.25 1.25 1.25 1.25	1 • 57 1 • 63 1 • 64
SCHARGE RECHARGE	CELL VOLTAGES 4 5	1 . 2 4 1 . 2 4 1 . 2 4	1.560 1.59 1.59
F D1	CE 3	1.23 1.22 1.22 1.22	1
DEPTH O	N	1.25 1.25 1.24 1.24	1 • 50 1 • 49 1 • 48
		1	1 • 61 1 • 60 1 • 59 1 • 58
	JRRENT 0.90	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	000
67 •H•1	PACK CURRE VOLTAGE 0.90	12 • 43 12 • 38 12 • 37	15.76 15.76 15.72 15.68
PACK NO. 67	CYCLE PACK CURRENT NO. VOLTAGE 0.90	6051	6051 15.76 6089 15.76 6146 15.72 6190 15.68

		END OF DISCHARGE	END OF CHARGE
n S S	0	1 • 20 1 • 20 1 • 20	1 • 5 1 1 • 5 2 1 • 5 3
URE O	Φ	1 • 1 7 1 • 1 8 1 • 1 7	1 • 38 1 • 39 1 • 38
TEST TEMPERATURE O ORBIT PERIOD 3 HOURS	00	1.21 1.20 1.21 1.20 1.17 1.20 1.21 1.21 1.21 1.20 1.18 1.20 1.20 1.20 1.20 1.19 1.17 1.20	1.61 1.61 1.54 1.61 1.38 1.51 1.61 1.62 1.55 1.62 1.39 1.52 1.64 1.63 1.57 1.63 1.38 1.53
ST TEM	7	1 • 2 1 1 • 2 1 1 • 2 0	1.54 1.55 1.57
TES ORB	9	1.20	1.61 1.61 1.54 1.61 1.62 1.55 1.64 1.63 1.57
25 115	rages 5	1 • 2 1 1 • 2 1 1 • 2 0	1.61 1.61 1.64
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES	1.22	1 • 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DEPTH OF DISCHARGE PERCENT OF RECHARG	S CE	1.20	1 • 56 1 • 59 1 • 60
DEPTH	8	1.20 1.19 1.19	1.66 1.66 1.66
		1 • 19 1 • 19 1 • 19	1 · · · · · · · · · · · · · · · · · · ·
	URRENT 1.50	1.50 1.51 1.52	. 34 . 14 . 18 . 16
% · ·	PACK CURRENT	12 • 01 12 • 01 11 • 94	15.76 15.80 15.89
PACK NO. 68 G.E. 3 A.H.	CYCLE P	6146. 12.01 6202. 12.01 6245. 11.94	6146. 15.76 6202. 15.80 6245. 15.89

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		END OF DISCHARGE	END OF CHARGE
5 RS	10	1 • 18 1 • 18 1 • 18	1 1 1 1 1 4 4 4 4 4 4 4 10 10 10 10 10 10 10 10 10 10 10 10 10
URE 2 3 HOU	σ	1 • 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	1
TEST TEMPERATURE 25 ORBIT PERIOD 3 HOURS	œ	1.20 1.19 1.18 1.18 1.18 1.18 1.18 1.18 1.20 1.20 1.19 1.19 1.19 1.17 1.18 1.18 1.18 1.18 1.18 1.18 1.20 1.20 1.19 1.19 1.20 1.20	1.46 1.44 1.43 1.43 1.44 1.43 1.44 1.45 1.45 1.45 1.44 1.45 1.45 1.44 1.45 1.45
ST TEM	۲	1.19 1.18 1.18 1.19 1.19 1.18 1.18 1.18 1.17 1.20 1.19 1.19	1.46 1.44 1.43 1.43 1.47 1.45 1.45 1.44 1.46 1.45 1.44 1.44 1.46 1.45 1.45 1.44
TES	Φ	1 • 1 9 1 • 1 9 1 • 1 8 1 • 2 0	1 1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
25	AGES 5	1 • 20 1 • 20 1 • 20 1 • 20	1.46 1.46 1.46
CHARGE	CELL VOLTAGES 4 5	1.20 1.20 1.19 1.21	1
OF DISC	3 CEL	1 • 19 1 • 19 1 • 00 1 • 21	1 • 4 5 1 • 4 6 1 • 4 6
DEPTH OF DISCHARGE PERCENT OF RECHARGE	α ₁	1 • 20 1 • 19 1 • 19 1 • 21	1. 4.4. 7.4.4. 7.4.4.
	-	1 • 19 1 • 19 1 • 19	1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	CURRENT 1 • 50	1.00 0.00 1.00 0.00 0.00 0.00	8 8 8 8 8 6 6 7 7 7
0 I	PACK CURRE Voltage 1.50	11.89 11.92 11.86 12.01	14 • 47 16 • 57 17 • 56 17 • 56
PACK NO. 19 G.E. 3 A.H.	CYCLE PA	6121. 11.89 6177. 11.92 6220. 11.86 6313. 12.01	6121

BACK NO.	.5 A.H.			DEPTH OF	F DI	SCHARGE RECHARGE	15	TES	T TEMP	PERATURE	D ₩	υ • Ž	
CYCLE P	PACK C	CURRENT 1.05	-	8	CEL 3	CELL VOLTAG	AGES 5	vo	۲	œ	6	0	
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) e	1.05				1.24	1.23	1.26	1.23	1 • 1 9	1.20	1.25	O
2597	Š	•	~ .		1.21	1.21	1.24	1.25	1.23	1 • 1 7	1.23	1.23	
262	2.3	1.05	1.24	1.23	1 • 22	1.23	1.24	1.25	1.23	1 • 18	1.21	1.29	
269	•	1.05	1.23		1.21	1.23	1.24	1.24	1.23	1 • 1 1	1.20	1.22	
272	•		1.23	1.22	1.21	1.23		1.24		1 • 09	1.21		
276	12.14	1.05	1.23		1.20	1.24	1 • 23	1.24	1.22	1 • 10	1.21	1.20	
281	4.	1.05	1 • 25	1.24	1 • 23	1.24	1.25		1.23	1 • 24	1 • 25	1.25	
2843	2.4	•	Α.	1.24	1.23	1.23	1.24	1.25	1.24	1.24		1.24	
906	12.48	1.05	1.25	1 • 24	1.23	1.24	1.25		1.24	1 • 23	1.27	1.25	
		• 60											
249	8	•62	1.56	1.59	1.60	1 • 47	1 • 59	1 • 48	1 • 56	1 • 4 4	1 • 4 4	1.46	END OF
12520.	15.24	•59	1.56	1.58	1.60	1.46	1.56	1.59	1 • 56	1 • 43	1.42	1 • 45	Š
259	82	• 62	1 • 55	1.58	1.58	1 • 44	1.57	1.59	1.55	1 • 42	1.45	1.45	
52	6	• 59	1.55	1.58	1.59	1.45	1.59	1.60	1.56	1 • 43	1 • 43	1.58	
69	-	• 61	1.55	1.57	1.59	1.45	1 • 58	1.59	1.55	1 • 42	1 • 42	1 • 42	
27	15.30	• 61	1.56	1.59	1.60	1 • 46	1.57		-	1 • 4 4	1.44	1.42	
76	m	• 60	1.56	1.59	1 • 60	1 • 46	1 • 58	1 • 60	1.57	1 • 4 4	1 • 44	1 • 4 1	
281	4	• 42	1.56	1.57	1.58	1.43	1 • 60	1.60		- =		1 • 48	
284	4	• 00	1.56		1 • 59	1.42	1 • 56	1.57	1.56	1 • 55	1 • 56	1 • 45	
12906.	15.41	.51	1.56	1.58	1 • 60	1 • 44	1.57	1.59	1 • 56	1 • 47	1 • 55	1 • 45	

			END OF	DISCHARGE											0	CHARGE								
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TEMPERATURE PERIOD 90		6 0	00•	00•	•00			00•	• 00	00.		00•			00•	00•	• 00	00.	• 00	00•	00•	00•	00•	00•
+ +		7	• 00	• 00	00•	00.		• 00	00•	00.	00•	000•			00•	00•	00•			00•	00•	00•	00•	00•
TES		o	1 • 1 9	1.19	1 • 19	1 • 19	1.19	1 • 1 9	1 • 1 9	1.19	1 • 1 9	1 • 19			1 • 60	1.60		1.60	1.60		1.60		1.60	1 • 59
25	AGES	ហ	1.21		1.20	1.20	1.21	1 • 19	1 • 19	1.21		1 • 20			1 • 59	1.59	1.60	1.59	1 • 59	1.58	1.59	1.58	1.58	1.58
DISCHARGE DF RECHARGE	ELL VOLTAG	4	1.19	1 • 19	1 • 19	1.19	1 • 19	1.19	1 • 1 9			1.20			1.62		1.63	1.62	1.62	1.62		1 • 63	1.63	1.62
Tr O	CE	m		00•		00•	• 00	00•	00•	00•		00.			00	00.				00•	00•	00•		00•
DEPTH O		Ŋ		1.20	1 • 19	1 • 18	1.18	1.21		1.18	1 • 15	1.19			1 • 56	1.58	1.55		1 • 4 9	1.60	1.55	1.46	1 • 44	1 • 46
		.		1 • 18			1 • 20	1 • 18		1 • 20	1 • 19	1 • 19									1.52	1 • 54		1.51
		1.75	1.75	1 • 73	1.76	1 • 76	1.75	1.74	1.73	1.77	1.77	1.76	(1 • 00	• 64	• 65	• 68	• 66	• 73	• 64	• 64	• 55	• 50	• 59 8
5 A • H	PACK	LTAGE	6	6	φ	6	5.92	6	0	6	•	6			7.87	Φ	œ	æ	\mathfrak{D}	œ	7.87	7	7.74	7.74
PACK NO.	CYCLE P	• ON	15	12186.	26	29		39	43	47	25	57			15	18	26	29	1236	1239	4 3	47	12509.	57
																		_	4	7				

		END OF	DISCHARGE				END OF	CHARGE		
o RS	0	1.23	1.23	1.23	1.24		1.50	1.50	1.50	1.51
URE O	0	1.23	1.23	1 • 23	1 • 24		1.51	1.51	1.51	1.51
TEST TEMPERATURE O ORBIT PERIOD 3 HOURS	ω	1 • 23	1.22	1.22	1 • 24		1.51	1.52	1.52	1.52
-	^	1.23	1.22	1.22	1.24		1.51	1.51	1.52	1.52
TEST ORBIT	vo	1.22	1.22	1.22	1.24		1.51	1.52	1.52	1.52
15	rages 5	1.24	1.23	1.23	1.24		1.54	1.53	1.53	1.54
SCHARGE RECHARGE	CELL VOLTAGES	1.23	1.23	1 • 23	1.25		1.53	1.53	1.54	ស ស
F DI OF	S CEL	1 • 24	1 • 24	1 • 24	1.26		1.52	1.53	1.53	1.54
DEPTH OF DISCHARGE PERCENT OF RECHARG	N	1.24	1.23	1 • 24	1.25		1.55	1.57	1.56	1.55
		1 • 23	1 • 23	1 • 24	1 • 25		1.52	1.52	1.53	1.53
	JARENT 1.05	1.06	1.06	1.06	1.06	• 24	• 23	• 24	• 24	• 24
5 A • H •	PACK CURRE VOLTAGE 1.05	12.34	12.31	12.32	12.46		15.25	15.28	15.29	15.32
PACK NO. 55 GOULD 3.5 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 1.05	6139.	6195	6238.	6331•		6139.	6195	6238	6331.

		END OF	DISCHARGE				END OF	CHARGE		
S C	0	1.20	1.20	1.20	1 • 19		1.56	1.54	1.55	1.56
URE O	0	1.20	1 • 19	1 • 19	1 • 19		1 • 55	1.54	1 • 54	1 .55
PERAT RIOD	80	1.20	1 • 19	1 • 19	1 • 1 9		1.54	1.54	1.53	1.54
TEST TEMPERATURE O ORBIT PERIOD 3 HOURS	~	1.20	1 • 19	1 • 20	1 • 1 9		1.56 1.53 1.54	1.53	1 • 53	1.56 1.52
TES ORB	vo	1.20 1.20	1.19 1.19	1.20	1 • 19		1.56	1.55	1.55	1.56
25	AGES 5	1 • 20	1.21	1.21	1 • 19		1.57	1.57	1.57	1.56
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES 4 5	1.21	1.21	1.21	1.20		1.59	1.59	1.59	1.60
DF DIS	3 CE	1.21	1.20	1.21	1.20		1.51	1.51	1.52	1.50
DEPTH OF DISCHARGE PERCENT OF RECHARG	8	1.21	1.21	1.20	1.20		1.56	1.56	1.55	1.56
		1 • 20	1 • 20	1 • 20	1.20		1.55	1 • 55	1 • 54	1 • 55 55
	JRRENT 1.75	1.77	1.77	1.76	1 • 79	• 40	• 33	• 34	.34	• 32
5 A • H •	PACK CURRENT	12.02	12.01	12.05	11.96		15.54	15.52	15.53	15.56
PACK NO. 56 GOULD 3.5 A.H.	CYCLE P	6074	6112.				6074			6213

			END OF	O										(9								
0 Z 0 =		<u> </u>		1.22													1.54			1.54				
Σ	C	״	00•			00•											00•	00•	00•	00•	00•	00•		00
EMPERATURE PERIOD 90	a	0		1.23													1.54			1.54				
⊢	ı	_		1.23								1.24					1 • 55		1.55		1.54	1.56	1 • 56	
TES ORB	V	0		1.22															1.49		1.54		1.65	
15 115	AGES	ດ	1.21	1.22		1.21		_			1.20						1 • 55		1.54		1 • 52		1.53	
SCHARGE RECHARGE	ELL VOLTAGE	1		1.20							S								1.56		1.55		1.56	
01 OF	O	า	00•	00•	00•	00•	00•	00•	00.	• 0 1	0	•01		(00•				
DEPTH OF	,	V	1.21	1.21		1.21			-		α									1.54				
		₹		1.21					-	1.20		1.21			_	-	_	_	-	1.56				
•	CURRENT	• • 0	1.50		1.51	1.50	1.51	1.52	1.50	1.52	1.50	• 10	Č	9	• 60	• 59	• 58	• 58	.57	.57	• 53	• 48	• 00 •	• 52
04 04 0.4 1.	PACK CL	لن	9.73		69.6	7.	9	6.65	•	7	•	6.77			12.44	12.44	.	•	• (1)	12.35	6	iS.	ហ	ru
PACK NO.	CLE	• 02			-	22	29	n	S	0 4	4	ु			12084.	α	N	12	229	12322.	6	12404	43	12500.
																			0	7 ,				

PACK NO.	50 5 A•	·		DEPTH OF	= D1S	DISCHARGE F RECHARGE	25 115	TEST ORBI	T TEM	TEMPERATURE T PERIOD 90	URE 0	υ • Ζ	
CYCLE	· ·	CURRENT			CE	CELL VOLTAGE	AGES						
>	VOLTAGE	2.50		ผ	m	4	ហ	v	~	σο	0	0	
07	4	N		1.17	1.12	1 • 08	00•	1 • 16	1.17	1 • 1 7	1.17	1.16	END OF
0	82	ល		1.17	1 • 13	1.07		1.17	1 • 1 7	1 • 1 7	1 • 1 7	1.16	DISCHARGE
18	6	4		1.18	1.12	1.08	00•	1 • 18	1 • 18	1 • 17	1 • 18	1.17	
12212.	10.35	2.48	1.08	1.19	1.13	1.09	00•	1 • 18	1 • 18	1 • 18	1 • 18	1.17	
28	ω	ល		1 • 18	1 • 1 1	1.08		1 • 18	1 • 18	1 • 1 7	1 • 18	1 • 1 7	
31	•2	ហ		1 - 1 7	1 • 09	1.07	00.	1.17	1 • 1 7	1 • 16	1.17	1 • 16	
B	-	4		1.17	1.03	1.06	00•	1.16	1 • 1 7	1 • 16	1.17	1 • 15	
	ທີ	r.		1.19	1.16	1 • 1 1	00•	1 • 19	1 • 20	1 • 1 9	1 • 19	1 • 19	
42	7.	ß		1 • 18	1 • 16	1.10		1 • 19	1 • 19	1 • 1 9	1 • 19	1 • 18	
	• 4	S.		1.19	1 • 16	1 • 1 0	• 00	1.19	1 • 19	1 • 1 9	1 • 19	1 • 18	
12076.	13.81		1.54	1.47	1.56	1.53	00	1 • 49	1 • 47	1.58	1 • 49	1.65	END OF
0	φ		1.54	1.47	1.54	1.53	00•	1.50	1 • 47	1.56		1.66	α
18	6		1.55		1.51	1.53	00•		1 • 48		1 • 49	1.67	
21	6		1.54	1.50	1.52	1.53		1.56	1 • 49	1.57	1.50	1 • 68	
28	œ,		1.54	1 • 49	1.50			1.55	1 • 49		1 • 49	1.67	
31	13.88		1.55	1.49	1.50	1.54	00•	1 • 55	1 • 49	1 • 56	1 • 49	1.67	
12347	• 6		1.53	1.47	1 • 4 7	1.52	00	1 • 52	1 • 46	1.53	1 • 47	1 • 64	
12395.	14.00		1.56	1.49	1.56	1 • 55	00•	1.57	1 • 49				
	14.01	• 65	1 • 55	1.50	1 • 56	1 • 54	00•		1.49		1 • 50	1.66	
0.4	13.97			1.50	1.54	1.54	00	1.57	1 • 49	1 • 58	1 • 50	1.67	

υ	10	1.19 END OF 1.19 DISCHARGE 1.20	1.47 END OF 1.40 CHARGE 1.50
0 OURS	-		
TCRE 3 H	Φ.	1 • 2 1 1 • 2 2 1 • 2 2 1 • 2 3	1.56 1.54 1.55 1.65
PERA	00	1 • 2 1 1 • 2 1 1 • 2 1 1 • 2 2	1.67 1.56 1.66 1.54 1.67 1.55 1.67 1.61
TEST TEMPERATURE 0 ORBIT PERIOD 3 HOURS	7	1.22 1.23 1.23	1 • 6 4 1 • 6 4 1 • 6 4 0 • 1
TES	ø	1.22 1.23 1.22 1.23	1 • 52 1 • 51 1 • 52 1 • 52
15	rages 5	1 • 2 4 1 • 2 4 1 • 2 3 1 • 2 4	1.60 1.58 1.59
I SCHARGE RECHARGE	CELL VOLTAGES 4 5	1.23 1.23 1.23	1 • 6 3 1 • 6 4 1 • 6 4
F DISC	3 CEL	1 • 22 1 • 23 1 • 22 1 • 24	1 • 6 0 1 • 5 0 1 • 6 0
DEPTH OF DISCHARGE PERCENT OF RECHARG	2	1.21 1.21 1.21 1.22	0 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		1 . 20	1 • 57 1 • 57 1 • 50 1 • 50 1 • 50
•	URRENT 1.50	1. 5.00 1.00 1.00	B C C C C C C C C C C C C C C C C C C C
53 5 A•H•	PACK CURRENT VOLTAGE 1.50	12 · 18 12 · 19 12 · 17	15.88 15.63 15.88
PACK NO.	CYCLE P	6005. 6061. 6104.	6003 6061 6104 6197

PACK CURRE VOLTAGE 2.50 11.44 2.5 11.45 2.5 11.51 2.5	PACK CURRENT OLTAGE 2.50 11.44 2.52 11.45 2.53 11.51 2.50 11.45 2.55	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	PERCENT 2 1 • 15 1 • 15 1 • 15 1 • 15	о м • • • • • • • • • • • • • • • • • •	RECHARGE 115 CELL VOLTAGES 4 5 1 1-14 1-20 0 1-14 1-20 1 1-15 1-21 9 1-14 1-19	TAGES TAGES 5 10-20 10-20 10-21 10-19	6 1 • 1 1 • 1 9 1 • 1 9 1 • 1 9	7 7 1 • 16 1 • 16 1 • 16 1 • 16	ORBIT PERIOD 3 HOURS 7 8 9 1 18 1-16 1-17 1-19 1-19 19 1-17 1-18 1-19 1-19 19 1-17 1-18 1-19 1-19 19 1-16 1-17 1-18 1-19 1-19	3 ± 00 1 • 19 1 • 19 1 • 18	10 10 10 10 10 10 10 10 10 10 10 10 10 1
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	• 50 50 50 50 50 50 50 50 50 50 50 50 50		<u>.</u>	d d	<u>.</u>	ר. ני	1.57	1.63	1.60	r.	_
	• n			00.4	10.	1 0 0 0	- C	1 · 0 · 1	1 .02	י ה י	י ל י
	• 36	1 • 5 1	1.52	1 • 60	1.57	1 • 22	00.	000	1 • 0 3	70.1	n • 1
	.35	1.50	1.51	1.58	1.51	1.54	1.57	1 • 65	1.65	1.51	1.50
	34	ls •		1.661	, n		1 . R J	1.64	1.40	י. הט	ر الا

.

		END OF DISCHARGE		END OF CHARGE	
S S S	0	1 • 1 • 1 • 1 • 1 • 1 • 1	1.16	1.42	1 • 4 • 1 • 4 • 4 • 4 • 4 • 4 • 4 • 4 •
URE 2	0	1.16	1.16		1 • 4 4 • 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4
EMPERATURE 25 PERIOD 3 HOURS	60	1 • 16	1.15	1 • 42	1 • 4 3 1 • 4 3 1 • 4 3
	7	1.16 1.17 1.16 1.16 1.16 1.17 1.16 1.16	1.17	1.45 1.44 1.43 1.42 1.43	1 • 4 3 1 • 4 4 1 • 4 3
TEST 1	•	1 • 16	1.16	4	1 • 4 4 • 1 • 4 4 4 • 1 • 4 4 4 • 1 • 4 4 • 5 • 4 4
25	AGES	1•18 1•17	1.17	i • 4	1.45 1.47 1.44
SCHARGE RECHARGE	CELL VOLTAGES 4 5	1•17 1•17	1 • 1 7	1 • 4 4	1 • • • • • • • • • • • • • • • • • • •
. D1	3 CE	00	000	00	0000
DEPTH OF DISCHARGE	α	00	000	00	000
•		1 • 16	1 • 15	1 • 43	1 • 4 · 1 1 • 4 · 4 1 • 4 · 4
•	CURRENT 2.50	2.52	2.50	.63	. 64 . 63
en A I	PACK CURRE VOLTAGE 2.50	9.30	9.29	11.51	11.55 11.56 11.53
PACK NO. 55 SONOTONE 55 A.H.	CYCLE F	5849• 5905•	5948•	386 • 49	5905. 5948. 6041.

PACK NO. 29 SONOTONE 5 A.H.	29 5 A • F	•		DEPTH PERCEN	OF DIS	DEPTH OF DISCHARGE 15 PERCENT OF RECHARGE 160	15	TES ORB	T TEM	TEST TEMPERATURE 40 ORBIT PERIOD 3 HOURS	URE 3	10 C	
CYCLE PACK CURRENT NO. VOLTAGE 1.50	PACK CURRE VOLTAGE 1.50	1.50	-1	2	3 CE	CELL VOLTAGES 4 5	rages 5	9	7	89	O.	10	
5672.	5.77	1.50	00•	1.20	1.22	1.22	00	1.00	0	00	0	.00 1.16	END OF
570C.	5.53	1.51	00.	1.16	1.20	1.19	• 00	• 00 • 87	• 00	00.	00•	.00 1.15	DISCHARGE
5744.	ក ព្រ ទា	1.53	000	1 • 1 7	1 • 19	1 • 18	00.	• 86	00•	• 00	00.	1 • 1 4	
		• 4 B											
5672.	7.05	• 4 G	00.	1 • 40	1 • 4 1	1.42	00.	.00 1.42	00•	00.	00•	1 • 4 1	END OF
5700.	7.00	€ 4 •	00•	1.40	1 • 40	1.41	• 00	•00 1•41	00.	00	00•	.00 1.41	CHARGE
5744.	000	£4.	00	1.40	1 • 39	1.40	00.	1.40	• 00	00•	00	1 • 4 1	

			END OF	\circ										END OF	α								
υ ••		10	00	000•	000•	000	00•			00		000•		00•		00•	00•		00•	00•			
TURE 0 90 MIN		0	1.16	1.16	1 • 1 4	1 • 15	1 • 13	1 • 10	1.10	1.20	1 • 18	1 • 18		1.47	1.46	1.46	1 • 46	1.46	1.44		1.52	1.50	1 • 48
PERATURISTOD 6		00	1 • 16	1 • 16	1 • 15	1 • 1 6	1 • 15	1 • 1 4	1 • 15	1 • 1 7	1 • 16	1 • 1 7		1.53	1.53	1.54	1.53	1.53	1.53	1.53	1.54	1.54	1.54
T TEMPE		7	00•	000•	000•	000•	000•	00.	00•	00•	00.	00.		00	00.	00•	00.	00•	00.	00•	00•	00.	• 00
TES		Q	1 • 1 4	1 • 1 4	1.13	1 • 1 4	• 13	1.12	1.12	1.15	1 - 14	1 • 15		689	• 59	09•	• 59	.58	.58	.61	1.67	1.57	• 58
25 115		ស	00	000	00.	000	000•	000		00.	• 00	• 00		• 00		• 00	• 00	• 00	• 000	• 00	• 00	• 00	• 00
SCHARGE RECHARGE	LL VOLTA	4	00•	00•		့ ၀•	00•		00•		00•	00•		00•		00•			00.	000•			•00
OF DISC	CEL	n	1.16	1 • 16	1 • 15	1 • 15	1 • 15	1 • 13	1 • 13	1 • 16	1 • 1 4	1 • 16		1.56		1.56	1.56	1.55	1.56	1.55	1.57	1.56	1.57
DEPTH PERCEN		~	1 • 1 7	1.17	1 • 1 7	1.17	1.16	1 • 15	1.16	1 • 18	1 • 16	1 • 18		1.58	1.57	1.61	1.59	1.57	1.58	1.60	1.61		1.55
			1 • 1 9	1 • 1 9		1 • I		1 • 18		1 • 20		1.20		1.54	1.53				1.54			1.54	1.54
	CURRENT	3.00	2.98		0	0	3.01	0	•	0	0	30€	97.	9	• 60				69•				
A 62 H •	PACK C	111	6.94	•	6.89	6.91	ø	7.	\hat{x}		Ō,			9.26	Š	67.6	•	3	9.24	•2	• 4	•	5
PACK NO. GULTON 6	CYCLE PA	•	11775.	11804.	\mathbf{x}	11911.	α	$\ddot{\circ}$	12046.	12094.	7.	12190.		11775	0	11882.	11911.	98	12012.	O 4	00	12	12190.
_ ~	v	~															77	1					

		END OF DISCHARGE	END OF CHARGE
ر جج	0	1 • 1 6 1 • 1 1 1 • 1 1 1 • 1 4	1.60 1.50 1.66
URE O 3 HOUR	Φ	1 • 2 4 1 • 2 2 1 • 2 4 1 • 2 4	1.51 1.47 1.53 1.53
EMPERATUR PERIOD 3	90	1 • 2 3 • 8 7 1 • 1 6 1 • 2 1	1 • 48 1 • 32 1 • 37 1 • 40
-	7	1 • 19 1 • 19 1 • 19	1 • 6 4 1 • 4 6 1 • 6 8 1 • 6 8
TEST ORBIT	9	0000	0000
15 115	AGES	1.26 1.25 1.25 1.25	1.04 1.04 1.00 1.00
SCHARGE RECHARGE	CELL VOLTAGES 4 5	0000	0000
F О.	CELI 3	1.23 1.21 1.23 1.24	0.400
DEPTH O PERCENT	N	1.24 1.21 1.23 1.24	1.61 1.65 1.65
	-	1	
	CURRENT 1.80	1 • 82 1 • 81 1 • 80 1 • 81	4 W 4 W 4
0 • 0 I	PAC< CURRE Voltage 1.80	9 · 78 9 · 69 9 · 69	12.63 11.67 12.64
DACK NO. GULTON 6 A	CYCLF PA	5918• 5974• 6017•	5974. 12.53 5974. 11.87 5017. 12.54 6110. 12.77

TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.			END OF	DISCHARGE										END OF	CHARGE								
15	AGES	ហ	1.22	1.22	1.22	1.24	1.24	1 • 22	1 • 20		1.22	1.23		1.46	1.47	1 • 46	1 • 50	1 • 53	1.48	1 • 4 4	1 • 50	1.45	1.49
SCHARGE RECHARGE	CELL VOLTAG	4	1.23	1.23	1.23	1.24	1.23	1.23	1.22	1.22	1.23	1.23		1.60	1.60	1 • 60	1.60	1.60	1.59	1.59	1.60	1.61	1.61
F DI	CEL	m	1.21	1.23	1.23	1 • 24		1.22	1.24	1.24	1.24	1.23		1.43	1 • 48	1.48	1 • 48	1 • 46	1 • 46	1 • 49	1.53	1.53	1.49
DEPTH O		0	1.23	1.23	1.22	1.23	1.22	1.22	1.23		1.22	1.22		1.63	1.63	1.63	1.63	1.63	1.62	1.62	1.62		1.64
2 4		-	1 • 24	1.23	1 • 22	1.23	1 • 2 1	1.22		1 • 24		α			1.56		1.53			1.53		1.50	1 • 48
	CURRENT	3.60	•	•	3.59	ល	ស	ល	r.	•	iù	٠ د	0	•	1.62						1 • 19	1 • 44	1 • 46
1 1 0 A H •	~	_TAGE	•	•	6 • 1 4	•	•	•	•	•	-	•		•	•	•	•	•	•	7.71	•	•	7 • 71
PACK NO.	CLE F	NO. VOLT	86	89	11935.	00	07	10	13	218	22	228	•	8	8	3	ŏ	7	0	n	00	12220.	8

DACK NO. 124 G.E. 12 A.H.	124 A•H•			DEPTH OF DISCHARGE 25 PERCENT OF RECHARGE 115	OF DIS T OF R	DEPTH OF DISCHARGE PERCENT OF RECHARGE	25 E 115	TEST TEMPERATU ORBIT PERIOD 9
CYCLE PACK CURRENT	ACK	URRENT			CE	CELL VOLTAGES	TAGES	
0>	VOLTAGE	9.00	•••	2	т	4	Ŋ	
11633.	5.79	5.95	1 • 19	1.19	1.08	1 • 1 9	1.18	
11663.	5.77	6.01	1 • 18	1 • 18	1.07	1.19	1 • 18	
11702.	5.75	6.02	1 • 18	1.19	1.05	1 • 18	1 • 18	
11770.	5.73	6.00	1 • 18	1 • 18	1.03	1 • 18	1 • 16	
11839.	5.69	6.00	1 • 18	1 • 18	1.03	1 • 18	1 • 17	
11871.	5.68	6.02	1 • 1 7	1 • 1 7	1.02	1.18	1 • 16	
11904.	5.66	6.01	1.17	1.17	1.01	1.18	1 • 15	
11987.	ଅକ୍	9.00	1.20	1.20	1 • 09	1.21	1.19	
12049.	5.82	5.98	1 • 19	1.20	1.08	1.20	1 • 1 B	

END OF DISCHARGE

END OF

1.56 1.56 1.55 1.55 1.53

1 • 47 1.47 1 • 47

1.48 1.48

1.53

7.59

11904.

1.59

1.54

1.55

1.59

1.32

7.77

11987• 12049•

7.91

1.59

1.50

1.65 1.63 1.68 1.57

1.50 1.53 1.48

1.56 1.59 1.59

7.74 7.94 7.64 7.59

11663• 11702• 11770• 11839• 11871•

1.61

1.49

1.51

7.80

11633.

TEST TEMPERATURE O C ORBIT PERIOD 3 HOURS		END OF DISCHARGE		END OF	CHARGE
15 E 115	TAGES 5	1.24	1.23	1.58	1.58 1.58 1.59
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES 4 5	1 • N 4 1 • N 4	1.23	1.52	1 • 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0
OF DIS	3 CE	1.23	1.23	1 • 56	1 • 55 1 • 54 1 • 54
DEPTH OF D PERCENT OF	~	1.24	1.23	1.56	1.55 1.55 1.54
		1 • 24	1.23	1 • 60	1.61
	URRENT 3.60	3.60 3.61	3.61 3.63	• 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	. 42 . 41 . 38
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PACK C	6.16	6 • 1 4 6 • 1 4	7.79	7.82 7.80 7.81
PACK NO. 111 G.E. 12 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 3.60	5927.	6066.	5927.	5965 6022 6066

TEST TEMPERATURE O C ORBIT PERIOD 3 HOURS		END OF DISCHARGE		END OF CHARGE
TEST T 5 ORBIT	v	00	00	0 0
2 25 3E 11	TAGE 5	1.20	1.20	
SCHARGE RECHARGE	CELL VOLTAGES 4 5	1.20	1.20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
آ ال 0	3 G	1 • 19	1.20	1.59 1.60 1.61
DEPTH OF DISCHARGE PERCENT OF RECHARG	~	1.20	1.19	1.57 1.57 1.57 1.57
	-	1 • 19	1 • 19	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	JRRENT 6.00	5.98	5.99	0 0 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
125 A•H•	PACK CL VOLTAGE	5.97	5.94	7
PACK NO. 125 G.E. 12 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 6.00	5920.	6015. 6059.	5920. 5958. 6015.

TEST TEMPERATURE 25 C ORBIT PERIOD 3 HOURS			END OF	DISCHARGE				END OF	CHARGE		
ហ	S		13	13	14	12		543	64	4 +	25
: 25 3E 12	TAGE	ហ	1 • 13	1.13	1 • 1 4	1.12		1.43	1.43	1 • 4 4	1.42
CHARGE ECHARO	CELL VOLTAGES	4	1.15	1.14	1.15	1 • 1 4		1 • 45	1.45	1 • 45	1.444
OF DIS	CE	m	1 • 1 4	1 • 1 4	1.15	1 • 1 4		1.45	1.45	1 • 46	1.45
DEPTH OF DISCHARGE PERCENT OF RECHARGE		8	1 • 1 4	1.14	1.14	1 • 1 4		1.44	1.44	1 • 4 4	1.43
		-	1 • 1 4	1 • 13	1 . 14	1 + 13		1 • 44	1 • 45	1 • 45	1 • 45
	JRRENT	00•9	6.03	6.04	5.98	2.99	. 80	1.50	1.52	1.52	1.52
NO. 83	ACK OU	VOLTAGE	5.70	5.65	5.70	5 • 6 5		7.22	7.19	7.21	7.17
PACK NO. G.E. 12 A	CYCLE PACK CURRENT	NO. VOL	5933•	5971.	6028.	6072•		5933.	5971.	6028.	6072.

U			END OF	DISCHARGE				END OF	CHARGE		
TEST TEMPERATURE 40 ORBIT PERIOD 3 HOURS											
15 E 160	TAGES	ເດ	1 • 1 4	1.13	1.12	1.12		1.42	1 • 4 1	1.41	1.41
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES	4	1.15	1.14	1 • 13	1 • 1 3		1 • 43	1.42	1.42	1.42
OF DIS T OF R	O	n	1.15	1 • 1 4	1.12	1.12		1 • 44	1 • 43	1.43	1.42
DEPTH PERCEN		N	1 • 1 4	1.14	1.12	1.12		1.42	1.42	1 • 4 1	1.41
_		-	1 • 15	1 • 16	1 • 15	1 • 1 4		1 • 42	1 . 42	1.42	1.42
	URRENT	3•60	3.56	3.66	3.61	3.64	1.15	1.15	1 • 16	1 • 13	1.12
86 A•H•	ACK O	VOLTAGE	5.69	5.70	5.65	5.65		7 • 1 1	7 • 1 1	7.10	7.10
PACK NO. 86 G.E. 12 A.H.	CYCLE PACK CURRENT	NO.	5738.	5776.	5833.	5877•		5738.	5776.	5833•	5877.

TEST TEMPERATURE O CORBIT PERIOD 90 MIN.			END OF	DISCHARGE								END OF	CHARGE						
15 E 115	TAGES	ស	1 • 15	1.14	1 - 1 4	1.21	1.25	1.24	1.23	1.23		1.45	1.45	1.48	1.50	1.51	1 • 50	1.54	1.53
DISCHARGE F RECHARGE	CELL VOLTAGES	4	1.23	1.22	1.22	1.23	1.23	1.22	1.20	1.24		1.55	1.54	1.56	1.56	1 • 56	1 • 55	1 • 55	1.57
F D1	CEI	m	1.22	1.22	1.22	1.23	1.22	1.22	1.19	1.24		1.56	1.55	1.57	1.58	1.57	1.57	1.57	1.62
DEPTH O PERCENT		2	1.23	1.22	1.23	1.24	1.23	1.22	1.21	1.24		1.57	1.56	1.61	1.58	1.57	1.57	1.60	1.59
				1 • 23	1.22	1 • 23	1.23			1 • 24		1 .53	1.53	1.55	1 • 55	1.54	1.54		1.59
	CURRENT	00•9	5.91	5.98	5.99	5.98	96•9	£•98	•	n.95	4	2.34	2.35	•	2.46	2.44	2•49	2.68	2 • 63
A 84 .	PACK C	VOLTAGE	•	5.99	5.99	6 • 1 1	6.12	0	6. 00	6 • 15		7.64	7.63	7.74	7.75	•	7.71	•	7 • 88
PACK NO.	CYCLE P,	0 N	11815.	11844.	11922.	11951.	0	S	-	12230.		11815.	11844.	11922.	11951.	15050.	12052.	12134	12230.

TEST TEMPERATURE 0 C ORBIT PERIOD 3 HOURS		END OF DISCHARGE	END OF CHARGE
TEST			
15 E 115	TAGES 5	1.24 1.23 1.25	1.53 1.51 56
DEPTH OF DISCHARGE 15 PERCENT OF RECHARGE 115	CELL VOLTAGES 4 5	1 • 25 1 • 24 1 • 26	1.53 1.53
OF DIS	3 CE	1 • 1 8 1 • 1 8 1 • 2 0	1
DEPTH PERCEN	2	1.22 1.21 1.23	1 .53 1 .53 1 .53
	~	1 • 2 4 1 • 2 4 1 • 2 6	1 • 1 • 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	URRENT 6.00	6.03 5.96 6.05	1 • 38 1 • 23 1 • 0 7
A & & .	PACK CURREN VOLTAGE 6.00	6 0 0 9 6 0 0 8 6 1 6	7.68 7.63 7.80
PACK NO. 80 GOULD 20 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 6.00	5935. 5991. 6103.	5935. 5991. 6103.

TEST TEMPERATURE O CORBIT PERIOD 3 HOURS	
25 TEST TE	ie S
DEPTH OF DISCHARGE 25 PERCENT OF RECHARGE 115	CELL VOLTAGES
	ה ה

TEST TEMPERATURE 0 ORBIT PERIOD 3 HOURS			
25	rages 5	1 • 1 9 1 • 1 7 1 • 1 6 1 • 1 7	1.00 m
SCHARGE RECHARGE	CELL VOLTAGES 4 5	1 • 20 1 • 19 1 • 19 1 • 19	1.56 1.56 1.56
= D1	CEL 3	1.16	1.56 1.59 1.60 1.60
DEPTH OF DISCHARGE PERCENT OF RECHARG	N	1.20 1.19 1.19	1 • 52 1 • 4 9 1 • 4 8 1 • 4 8
		1.22 1.21 1.20 1.21	
	CURRENT GE 10.00	10.03 10.07 10.07 10.09	2 · 30 1 · 15 1 · 16 1 · 10
94 1 •	PACK CURREN	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.70
BACK NO.	CYCLE PACK NO. VOLTA	5795. 5851. 5894.	5795. 5851. 5894.

END OF DISCHARGE

END OF CHARGE

		END OF DISCHARGE	END OF CHARGE
TEST TEMPERATURE 25 CORBIT PERIOD 3 HOURS			
25 1 125	rages 5	1•16 1•14 1•16	1 • 4 7 1 • 4 5 1 • 4 4
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES 4 5		1 • 4 3 1 • 4 4 1 • 3 5
DISC OF RE	CEL 3	000	000
DEPTH (2	1 • 1 5 1 • 1 4 1 • 1 4	1 • 4 • 4 • 4 • 4 • 4 • 4 • 9
01	-	0000	000
	JRRENT 10.00	9.71 9.98 10.04	0 0 0 0 E 4 4 0 C 0 0 0 0 0
A 0.55	PACK CURREN VOLTAGE 10.00	3.18 9.71 3.09 9.98 2.23 10.04	4 • 4 • 3 8 8 • 4 • 4 • 4 • 4 • 4 • 4 • 4 • 4 • 4
PACK NO. 105 GOULD 20 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 10.00	5594. 5651. 5751.	5594 • 5651 •

TEST TEMPERATURE 0 C ORBIT PERIOD 3 HOURS		END OF DISCHARGE	END OF CHARGE
TEST ORBIT			
15 E 115	TAGES 5	1. 2.2. 1.2.2. 1.2.2.	1. 0.0. 0.0. 7.0.
CHARGE ECHARG	CELL VOLTAGES 4 5	1 • 2 4 1 • 2 4 1 • 2 5	1
OF DIS T OF R	CE 3	1.20	
DEPTH OF DISCHARGE 15 PERCENT OF RECHARGE 115	2	000	000
		1.0.1	1
	URRENT 6.00	6 00 00 00 00	1.38 1.19 1.21
102 0 A.H.	PACK CURREN VOLTAGE 6.00	4 4 4 8 8 8 4 8 8	6 1 5 6 7 7 7 8 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9
PACK NO. 102 GULTON 20 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 6.00	5763. 5819. 5931.	5763. 5819. 5931.

DISCHARGE

1 • 16 1.16

1.18 1.18

1 • 1 3 1 • 1 5 1 • 1 4

46.6

9.85 9.84 62.6

5000 0000 5639. 5682.

1.16

1 • 10

END OF

CHARGE

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1.57

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1 • 44

1.72

16.37 1 0 0,0 4 (0) 78.4

·6830 9682·

2.30

1.56

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1.60

1.62

1. • 44

1.91

END OF

PERCENT OF RECHARGE 115 25 DEPTH OF DISCHARGE

CELL VOLTAGES

4

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CYCLE PACK CURRENT

VOLTAGE 10.00

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DACK NO. 116

50, TON 20 A.H.

PACK NO.	77			DEDTH	SIQ BO	OF DISCHARGE	15	TEST TEMPERATURE 40 C	
GULTON 20	0 A T.			DERCENT	OF	RECHARGE	E 160	ORBIT PERIOD 3 HOURS	
CYCLE	ACK	PACK CURRENT			CE	CELL VOLTAGES	TAGES		
>	VOL TAGE	00•9		ĊΙ	m	4	ហ		
5673	4 (l)	5.61	1 • 1 4	00.	1 • 16	1.19	1.12		END OF
0711	3.0 ° 5.0	86° u	0	00•	1 • 1 4	1 • 1 7			U1SCHAR
5734.	্ ব শ	6.04	00.	000	•	1.20	9		
5778.	ग € %	6.05	00.	0	1 • 1 5	1.16	1.12		
		1.92							
*** *** *** *** *** *** *** *** *** **	1) .(1)	7.00	<u>/</u> ₩•:	000	⊕ 4 ⊕ £	1 • 45	1 • 43		END OF
5711.	4. C.	D	0 0 •	0.5	1 • 4 7	1 • 44	1 • 42		CHARGE
E. 734 .	4 . 35.	1.36	00	000	1 • a &	1 • 44	1.42		
(n) 300	4.34	1 • GG	0 •	ပ္ •	: • 47	1 • 45	1.42		

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JA E	200
RAT	
EMPERATURE	DER103
<u>⊢</u>	
TEST T	ORBIT
13	110
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DISCHARGE	OF RECHARGE
D1 SC	т Э
i.	
DEPTH OF	PERCENT
DE	D H
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	e Z Z
103	۰ ۲•
NO. 103	5 A
DACK	3.E. 5
V	()

DACK NO. 103 G.E. 5 A.H.		NIMBUS		DEPTH O	OF D19	DEPTH OF DISCHARGE PERCENT OF RECHARGE	15 110	TEST TE ORBIT D
CYCLE	PACK	CURRENT			CE	CELL VOLTAGES	TAGES	
> • 0 Z	VOLTAGE	1.50		N	m	4	IJ	
4761.	6.14	1.52	1.23	1.23	1.24	1.23	1.25	
4790.	6 • 14	1.50	1 • 23	1.23	1.24	1.23	1.25	
4868.	6 • 14	1.50	1.23	1.23	1.24	1.22	1.25	
4897.	6.14	1 • 49	1.23	1.24	1.25	1.23	1.25	
4966	6.13	1.49	1.23	1.22	1.24	1.22	1 • 25	
4998	6 • 1 1	1.49	1.23	1.22	1.24	1.82	1.23	
5032.	6 • 1 1	1.48	1 • 23	1.22	1.24	1.22	1.24	
5080	6.18	1.51	1.24	1.23	1.24	1.24	1.25	
5114.	6.15	1.52	1 • 23	1.23	1.25	1 • 24	1.24	
5176.	6.17	1.51	1 • 24	1.23	1.25	1.24	1.24	

END OF Discharge

	1 • 49	1.50	1.51	1.50	1 • 50	1 • 49	1.50	1.50	1.49	1 • 3O
	1 • 43	1.42	1 • 4 1	1 • 4 1	1 • 4 1	1 • 4 1	1 • 4 1	1.43	1 • 42	1 • 4:2
	1.55	1.54	1 • 55	1.55	1.55	1.56	1.56	1.54	1.57	1 • 56
	1.49	1.48	1.50	1.49	1.47	1 • 4 7	1.46	1.46	1.45	1.43
	1.50	1 • 50	1.50	1.50	1.50	1.50	1.51	1.51	1 • 0 5 5 T	1.51
.83	• 46	• 46	.47	• 45	.47	• 49	.47	• 43	• 46	• 43
	7.43	7.42	7.43	7.43	7.41	7.41	7.40	7.41	7.43	65.5
	4761.	4790.	4868.	4897.	4966	4998	5032.	5080.	5114.	5176.

END OF

		END OF DISCHARGE	END OF CHARGE
U			
TEMPERATURE 0 PERIOD 90 MIN			
TEST ORBIT	PS1A	07 . 8 . 9 . 7 . 9 . 9 . 1 . 9	39.188 35.298 44.603 69.287 61.289 53.148 49.867 43.001 35.901
25 E 110	TAGES 5		
CHARGE PECHARG	LL VOLT	000000000000000000000000000000000000000	11 11 11 11 11 11 11 11 11 11 11 11 11
210 E	CE1		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DEPTH OF	N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- -	-		
NIMBUS	RENT 2.50	00000000000000000000000000000000000000	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
01	CUR SES	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 44444444
DACK NO. 1	CYCLE PACK NO. VOLTA	4115 41444 42222 42322 43320 43357 43354	0 m - 4 d d d d d d d d d

DISCHARGE

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CELL VO	4
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PERCENT OF RECHARGE DEPTH OF DISCHARGE

NIMBUS

DACK NO. 106 S A C

€.E.

AGES	rc.	1.23	1.23	1 • 23	1 • 23	1.23	1.21	1.22	1.23	1.922
CELL VOLTAGES	4	1.23	1.23	1.22	- in	1.22	1.21	1 • 2 1	1.23	(%) • • •
CEL	ന	1.23	1.23	1.21	1 • 52	1.22	1.20	1.21	1.23	1 • 24
	2	1.22	1.22	1.22	1.22	1.21	1.20	1.21	1.82	1.22
	_	1.21	1.21	1.20	1 • 20	1 • 20	1.20	1 • 20	1.23	1 • 22
TABAR	1 • 50	1 • 46	1.46	1.47	1.44	1.49	1 • 49	0,	1.49	1.48
PACK CURRENT	VOLTAGE	6.07	6.07	6.04	6.04	6.02	6.04	6.05	60.9	60.9
CYCLE PA	NO. VOL	4781.	4811.	4888.	4918.	4987	5019.	5052·	5101.	5134.

1.43 1.42 1 • 44 1.43 1.44 1.44 1.42 1 • 43 1.44 1.43 1 • 43 1.43 1.43 1 • 43 1 • 44 1 • 44 1 • 44 1.44 1.42 1 • 4 3 1 • 4 2 1 • 4 1 1.41 1 • 4 1 1.42 1.43 1.43 1.43 1.44 1.43 1.43 1.43 1.43 1.43 1.44 1 • 43 0.00 06. •89 06. 06. 06. 06. 90 4.09 7.14 7.14 7.12 7.11 7.14 7.13 7.12 7.14 4811. 4987 5019 5052 5101. 4781. 4888 4918. 5134.

END OF CHARGE

Z G Z Z	• NIMBUS		PERCENT	9 19	SCHARGE ZE RECHARGE 12 ELL VOLTAGE	750 TAGES	ORBIT PERIOD 90 P	in z N I	U
GES	00 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0	1	2	m	4		PSIA		
ີ ຄື	2.44	1 • 14	1 • 1 4	1.15	86.	1 • 1 4	11.609		END OF
5.	2.44	1 • 1 4	1 • 1 3	1 • 15	66•	1 • 15	2		DISCHARGE
• 48	2.44	1 • 1 4	1 • 1 3	1.15	.99€	1 • 1 4	11.641		
• 55	4	1 • 15	1.14		1.0.1	1 • 1 4	11.927		
0.5.	4	1 • 1 4	1 • 13	1 • 15	66•	1 • 1 4	11.578		
• 54	2.44	1 • 14	1.13	1 • 15	1.02	1 • 13	11.631		
• 54	2.44	1 • 1 4	1.13	1 • 15	1.03	1 • 13	11.609		
• 72	2.45	1 • 1 ©	1.14	1.15	1.17	1 • 15	13.893		
• 63	4	1 • 14	1.13	1 • 15	1 • 15	1.13	13.787		
0.5	•	1 • 15	1 • 1 4	1 • 16	1 • 1 4	1 • 1 4	12.709		
. 31	1 • 50	1 • 4 7	1 • 47	1.50	1 • 44	1 • 4 7	12.212		END OF
• 30	1.50	1 • 47	1.46	1.50	1 • 44	1.48	12.233		CHARGE
• 34	1.52	1 • 47	1 • 4 7	1.52	1 • 45	1.48	12.233		
• 34	1.51	. • 48	1 • 47	1.51	1.45	1 • 48	12.592		
000	1.51	•	1.46	1.50	1 • 44	1 • 48	12.170		
000	1.51	1 • 46	1.46	1.50	1 • 44	1 • 46	12.434		
•30	1.51	1.47	1.46	1.50	1.44	1.46	12.444		
31		1 • 46	1.46	1.50	1 • 45	1.46	20.594		
31	1.52	1.46	1.46	1.50	1.46	1.46	20 • 361		
25	1.51	1 • 4 7	1.46	1.52	1.45	1 • 46	16.303		

PACK NO. 113 G.E. 5 A.H.		NIMBUS		DEPTH OF DISCHARGE PERCENT OF RECHARG	OF DIS	F DISCHARGE OF RECHARGE	15 E 130	TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.	
CYCLE	PACK CURRENT	URRENT			CEI	CELL VOLTAGES	TAGES		
NO.	VOLTAGE	1.50	-	7	т	4	ហ		
4783.	5.81	1.49	1 • 1 7	1 • 18	1 • 15	1 • 18	1 • 1 4		END OF
4813.	5.82	1.48	1 • 1 7	1.19	1.17	1 • 18	1 • 16		DISCHARGE
4890	5.84	1.47	1 • 1 7	1.18	1 • 15	1.18	1 • 15		
4920•	5.83	1 • 4 7	1 • 1 7	1.19	1.15	1 • 18	1 • 1 4		
4989•	5.77	1.50	1 • 16	1.17	1 • 1 4	1 • 1.7	1.12		
		• 98							
4783.	7 • 11	66•	1 • 43	1.42	1 • 4 1	1.42	1.41		END OF
4813.	4.09	66•	1 • 43	1.43	1.42	1.43	1.42		CHARGE
4890	7.12	86·	1.42	1.42	1 • 4 1	1 • 42	1.41		
4920	7.12	66•	1.43	1.42	1.42	1 • 42	1 • 4 1		
4989	7 • 11	16.	1 • 42	1.42	1 • 4 1	1.42	1.40		

IT TEMPERATURE 40 C	١٨	49 END OF 77 DISCHARGE		19 94	-00	-0000	-0000	-0000000	-0000L000	-000/00W	-000/000 n	19 94 94 90 75 68 96 31 36 END 64	19 94 94 90 75 68 68 31 36 END 64	19 94 96 75 68 96 31 31 36 END CHAR	19 94 90 90 75 96 31 36 84 CHAR	19 94 94 96 75 68 96 31 36 END CHAR 78	19 94 94 96 75 58 96 31 36 END CHAR 54	19 94 94 96 75 68 96 31 32 36 54 CHAR 56	19 94 94 95 75 68 68 31 31 36 64 CHAR 55 56
├		35.249) (5.79 5.39	0.79 0.39 0.49 0.89	5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 7 7 8 7 7 8 9 9 7 7 8 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	00000000000000000000000000000000000000	u u o o o o o o o o o o o o o o o o o o	ขึ้น จิงจิง	ขึ้น จังจัง -	ชิ พิ
: 25 if 130	.TAGES 5	1.03	•		000	0000	00000	-00000	00000	00000	000000 4	000000 44	000000 444	000000 4444	00000011 44 444 04764011 00000	00000011 44 4444 04764011 00004	00000011 444444 04764011 000040	000000 44 44444 0476846 4444444 046846 444444444444	00000011 44444444 V4724011 UU QU Q 4 U Q U
DISCHARGE F RECHARGE	CELL VOLTAGE	1 • 1 1	1.12	1 • 1 1	• •		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0	———— 0 — 4	———— 0 — 4 4	0 444	O 444 4	O 4444	0 44444	D 44444	mmmm0mm 444444	mmmm0mm 4444444
	3 2	1 • 09		1.07	00	0000	00000	000000	-000000	00000-	000000- 4	000000- 44							
PERCENT	N	1 • 1 3	1.12	1.12	1.12	1. 1. N.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		444	4444	4444	44444	444444		
		1.07	0		00	0000	• • • • •	00000-	00000	00000	00000 4	00000 44	00000 444	00000 4444	00000 44444	00000 44444	00000 444444	00000 4444444	00000 444444444
NIMBUS	URRENT S 2.50	2 • 4 5	4 4	7.044	• •	1	1	1	t t t t t t t t	1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 0 0	444444 000	444444 0000	444444 00000	444444 000000	4 4 4 4 4 4 4 4 0 0 0 0 0 0 0	4 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0	44444 00000000000	444444 00000000000
4 • (οÃ	5.38 6.43	4 (•	.		• • • • • • • • • • • • • • • • • • •			w w w 4 w 4 w	uuu 4 u 4 u 0	wwwawan yy	भूषण्यम् याया	www.auan yyyy	www.auan uninini	www.auan nnnnnnn	www.awan angagaan	www.auan ada ada ada ada ada ada ada ada ada a	www.auan nynynnnnyn
PACK NO.	CYCLE PACK NO. VOLTAC	S CO	166	Ţ	190 259	2000 2000 2000 2000 2000	140 250 250 330 343	200 200 200 335 406	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	44444444444444444444444444444444444444	4 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0014 0.0004 0.	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000 0.000	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	44444444444444444444444444444444444444

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1 • 49 1.49 .50 551

4970.

			END OF	DISCHARGE										END OF	CHARGE						
U																					
T TEMPERATURE O		SIA	786	85	25	13	31	99	32	62	02			638	888	53	31	46	81	70	07
TES- ORB		g S	14.7	12.38	4.1	• 1	12.63	12.6	12.4	12.3	12.5			18.6	12.86	- 7		13.14	13.16	12.97	12.8
25 E 110	TAGES	ហ	1.21	1.20	1.20	1 • 19	1 • 18	1 • 18	1.20	1 • 19	1.26			1.59	1.51	1.51	1.50	1.50	1.50	1.51	1.50
DISCHARGE OF RECHARGE	CELL VOLTAGES	4	1.21	1.20	1.20	1.20	1.19	1.19	1.20	1 • 1 9	1.27			1 • 55 5	1.48	1 • 49	1 • 49	1 • 49	1 • 49	1 • 49	1.49
ñ DI ОЁ	CE	ю	1.21	1.20	1 • 19	1 • 19	1 • 19	1 • 18	1 • 19	1 • 19	1.27			1.60	1.52	1.52	1.52	1.52	1.52	1.52	1.52
DEPTH O		N	1.20	1.19	1.19	1.19	1 • 18	1.18	1.19	1 • 18	1.26			1.57	1.49	1.50	1.50	1.50	1.49	1.50	1.49
		-	1.21	1.20	1 • 19	1 • 19	1 • 18	1 • 18	1 • 19	1 • 18	1.26			1.60	1 • 49	1 • 48	1 • 47	1 • 47	1 • 4 7	1 • 46	1 • 46
NIMBUS	CURRENT	2 • 50	2.50	2.47	2.47	2.47	2.47	2.47	2.49	2.48	5.49	(•	1 • 38	• 78	• 76	• 76	• 77	• 75	• 78	• 77
121 A•H•	CK CUR	TAGES		5.93		6	Φ.	5.88	5.93	5.91	6-29			7.85	4	7.44	7.44	7.45	4	7.46	7.43
PACK NO.	CYCLE PACK	NO. VOL.	4117.	4146.	4224.	4253.	4353.	4398.	4436.	4469	4532.			4117.	4146.	4224.	4253.	4353.	σ	4436.	4469•

12.678

1.50

1.49

1.49 1.52

PACK NO. 120

3

CELL VOLTAGES

1.22

1.22

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1.22 1.22

1.23

1.04 1.04 1.04 1.04 1.12 1.04

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1.21 1.21

1.24 1.24 1.24 1.24 1.24 1.12 1.23

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1 • 23 • 24 . 24 1.23 • 24

1.49 05.1

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4705. 4763. 4793. 4894 1.09

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DISCHARGE

END OF

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> 1.44 1.43

1.44 1.44

1.43 1 • 43

1.44

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. 9.02

7.28 7.32 7.29 7.89 7.29

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1.42 1 • 43

1.55 1.56 1 • 55 ខេត 1.54 1.56

91

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9

7.38 7.27 7.32

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5009 5072.

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2

CURRENT

PACK

CYCLE • 0 2

VOLTAGE 1.50

			END OF	DISCHARGE						٠			IND OF	CHARGE						
U																				
TEMPERATURE 25 PERIOD 90 MIN																				
TEST		PSIA	11.959	10.419	10.932	11.516	11.516	11.306	11.656	11.213	11.586		22.147	20 • 735	21.272	21.377	21.295	21.062	22.509	19.510
25 E 120	TAGES	ហ	1 • 1 1	1.13	1.12	1•15	1 • 1 1	1 • 1 1	1 • 1 1	1 • 10	1.12		1 • 48	1 • 48	1 • 47	1 • 48	1 • 46	1.46	1.46	1.46
SCHARGE RECHARG	CELL VOLTAGE	4	66•	1.06	1.06	16.	96•	66.	• O છ	• 96	1.05		1 。 同	1.50	1.50	1.50	1.50	1.50	1.50	1 • 50
= DI OF	ننا ننا	ຠ	1 • 16	1 • 18	1 • 16	1.16	1 • 15	1.16	1.15	1 • 1 4	1 • 16		1 • 48	1 • 49	1.48	1.48	1 • 48	1.48	1 • 4 7	1 • 48
DEPTH OF		5	1 • 10	1.12	1.12	1.10	1.09	1.03	1 • 1 1	1 • 05	1.12		1 • 4 7	1.47	1.46	1.46	1.46	1.45	1.45	1.45
			1 • 1 1	1 • 1 3	1 • 1 4	1 • 1 3	1.12	1 • 13	1 • 13	1.08	1 • 14		1 • 4 B	1 • 48	1 • 48	1 • 48	1 • 47	1 • 48	1 • 46	1 • 4 7
NIMBUS	RENT	2.50	2.45	•	7.	•	2.47	2.46	5.49	2.48	5.44	1.50		1.52		1.51			1.53	1 • 49
318 A•H•	PACK CURRENT	r.	5.44		5.57	4.	5.42	n•44	•	5.30	5.58		7.35	7.37	7.36	7.34	•	7.35	7.33	7.34
BACK NO.	CYCLE PA	NO. VOLTAG	4085.	4143.	4172.	4241.	4272.	4317.	4355.	4388.	4451.		4085.	4143.	4172.	24	4272.	_	4355	00

U	
TEST TEMPERATURE 40 (ORBIT PERIOD 90 MIN.
15	130
DEPTH OF DISCHARGE 15	PERCENT OF RECHARGE
NO. 127	ON 5 A.H. NIMBUS

م ق	PACK NO.	127 5 4 H	Z Z		DEPTH O	7 D1	SCHARGE	15	ORBIT PERIOD 90 MIN.
)						,	· · · ·) '	
Ü	CYCLE	DACK	CURRENT			CE	ELL VOL	TAGES	
2		OLTAGE	1.50	1	Ŋ	С	4	ເນ	
	4704.	5.69	1.48	1 • 1 4	1.14	1.17	1 • 1 7	1 • 1 4	
	4731.	5.79	1.45	1 • 16	1.15	1.16	1.18	1 • 16	
	4808.	•	1.45	1 • 15	1.15	1 • 1 7	1.18	1.17	
	4838	5.77	1 • 45	1 • 15	1 • 15	1 • 1 7	1 • 18	1.16	
	4907.	5.74	1.46	٠ • :	1 • 1 4	1 • 1 7	1.18	1 • 16	
	4939	5.76	1.46		1 • 1 4	1 • 1 7	1.18	1 • 1 4	
	4972.	5.76	1.45	.101	1 • 15	1 • 1 7	1 • 18	1 • 16	
	5021.	9	1.49	1 • 13	1.12		1.16	1 • 13	
	5054	5.75	1.47	1 • 15	1 • 1 4	1.15	1.17	1.15	
	5117.	5 .80	1.46	1.16	1.15	1.16	1.18	1 • 16	
			86•						
	4704.	7.10	• 98	1.42	1.43	1 • 43	1.42	1.42	
	4731.	7 • 1 4	• 98	1 • 43	1.43	1.42	1.42	1.42	
	4808	7.13	16.	1.42	1.44	1.42	1.42	1.43	
	4838.	7 • 14	96•	1 • 43	1.44	1 • 43	1 • 43	1.43	
	4907	7.13	96•	1.43	1.43	1.43	1 • 43	1.43	
/	4939.	7.15	.97	1 • 43	1.43	1.43	1.43	1.42	
, -	4972.	7.13	1.00	1 • 43	1.44	1.43	1.43	1.43	
,	5021.	7.13	1.00	1 • 42	1 • 43	1.42	1.42	1.42	
	5054	7 • 1 4	1 • 00	1 • 43	1.43	1.42	1.42	1.42	
	5117.	7.15	1 • 00	1 • 43	1.43	1 • 42	1.42	1.42	

END OF DISCHARGE

END OF

//2

			END OF	DISCHARGE								END OF	CHARGE						
TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.		PSIA	25.346	25.570	26.321	26.377	26.355	25.702	25.758	27 • 554		31.534	31.231	32.778	32.397	31•769	32.901	32-632	34 • 134
25 E 130	TAGES	Ŋ	1.09	1.07	1.07	1.05	1.05	1.06	1.05	1.06		1.50	1.50	1.51	1 • 49	1.50	1.50	1.50	1.50
DISCHARGE F RECHARG	CELL VOLTA	4	1.15	1 • 1 4	1 • 1 4	1.14	1 • 13	1.13	1 • 13	1 • 15		1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1 • 45
_г С	CE	m	00•	00•	00•	00•	00.	00•	00.	00•		00•	00•	00.	00•	00•	00.	00•	000•
DEPTH OF		Ŋ	•88	1.08	• 75	•65	1.03	1.06	1.03	1 • 1 4		1 • 44	1.46	1.45	1 • 45	1.46	1.45	1.46	1.47
			1.12	1 • 12	1 • 1 1	1 • 1 1	1 • 1 1	1 • 1 1	1 • 1 1	1 • 12		1 • 45	1 • 45	1 • 45	1 • 45	1 • 45	1.45	1 • 46	1 • 46
NIMBUS	CURRENT	2.50	2.38	2.46	2.45	2.45	2.45	2.46	2.46	2.39	1.63	1.63	1 • 65	1.67	1.67	1.66	1.68	1.67	1 • 66
NO. 128		VOLTAGES	4.22	4 • 39	40.4	3.93	4.30	4.33	4.30	4 • 44		5.80	5.84	5.82	5.82	5.83	5.84	5.84	5.86
• ON ACA CON CONTRACT	CYCLE P	NO . VOL	4008	4115.	4184	4215.	4260.	4298.	4331.	4394•		4008	4115.	4184	4215	O	4	/ 4331•	***************************************

PACK NO.	• 59 6 A•H•	3RD EL	D LECTRODE	EPTH R 10	OF DIS	DISCHARGE 10 10 10	25	TES.	<u> </u>	TEMPERATURI PERIOD 90	0RE 0	o ž		•
CYCLE	PACK	CURRENT	3RD	ELECT	VOLTAGE	ES			CELL	VOLTAGE	AGES			
> · OZ	VOLTAGE	3.00		2	m	4	ហ		α	m	4	ល		
4614.	4.86	2.91	• 169	• 089	•004	• 133	• 115	1.22	1.22	• 0 1	1.22	1.22	1.460 EN	END OF
4673.	4.83	5.99	.154	•079	•004	• 128	• 1 1 1	1.21	1.21	00.	1.21	1.21	1.457 DI	DISCHARGE
4830.	4 • 85	3.07	.157	•119	•005	• 128	.158	1.23	1.23	• 0 1	1.22	1.22	1.519	
4912.	4 • 89	•	• 159	• 106	• 000	• 118	.154	1.23	1.23	• 0 1	1.23		1.504	
5010	4 • 83	3.07	.154	160	•003	.112	.141	1.22	1 • 22	00.	1.21	1.21	1.504	
														n
4614.	φ.	• 10	.127	• 109	•003	.168	.135	1.46	1.47	• 01	1 • 46	1.46	AT.	TRIP
4673.	6.07		.108	•083	•005	.152	• 129	1.50	1 • 55	• 0 1	1.52	1.51	Q	POINT
4830.	•	.27	.139	• 133	•018	• 169	• 186	1.50	1.51	•03	1.52	1.52		• .
4912.	5.89	• 16	• 116	• 118	.001	.150	.172	1.47	1 • 48	• 0 1	1 • 48	1 • 48		•
5010.	5.88	• 13	.127	• 115	•005	.153	• 172	1 • 4 7	1 • 48	• 0 1	1 • 49	1.48		
													ZI	
4614.	5.67	• 06	.147	• 119	•004	• 175	.147	1.42	1.42	• 0 1	1.42	1.42	1 . 448 EN	END OF
4673.	5.63	• 05	. 141	•117	€00€	• 169	.148	1 • 4 1	1 • 4 1	• 0 1	1.41	1 • 4 1		IARGE
4830.	7.	• 08	.146	• 149	•001	• 163	• 181	1.44	1 • 44	• 0 1	1 • 44	1 • 4 4	1.587	
4912.	5.67	• 06	• 145	• 144	•001	• 164	• 189	1.43	1 • 43	• 01	1 • 43	1 • 43	1.473	
5010	•	• 05	• 139	• 133	•004	• 153	• 180	1.43	1.42	• 01	1.42	1 • 42	1.581	

1	8			GE				-		\									. *
			.425 END	2.402 DISCHAR	2.433	2.433	2.082		TRIP	POINT				AI IA	.550	2.528 CHARGE	2.535	• 66	2.247
U o z		Ŋ	00	00•		00•	00.		00•	00•	00•	00•	00•		00•	00•	00•	00•	00•
Σ	AGES	4	1 • 13	1 • 10	1.04	66•	• 1 4		1.55	1 • 65	1 • 59	1.53			1 • 44	1 • 43	1 • 39	1 • 38	1 • 30
TEMPERATURE PERIOD 90	VOLT	m	1 • 20	1 • 19	1 • 19	1 • 18	1.20		1.51	1.57	1 • 56	1.51	1 • 50		1 • 43	1 • 43	1 • 40	1 • 40	1 • 39
IT TEM	CELL	N	1.20	1 • 19	1 • 19	1 • 18	1.20		1.51	1.57	1 • 55	1.51	1.51		1 • 44	1 • 43	1 • 4 1	1 • 40	1 • 40
TEST			1.20	1.19	1.19	1.18	1 • 19		1.51	1.56	1.56	1.52	1.52		1.43	1.43	1.41	1.40	1.40
0		Ŋ	• 000	• 000	0000	• 000	000•		000	• 000	•000	0000	000•		0000	000.	• 000	000.	0000
DISCHARGE 10 10 10	S	4	• 075	• 065	•038	.032	600•		• 146	• 147	• 149	• 144	• 005		• 126	• 116	.101	•095	• 005
OF DIS(VOLTAGE	т	• 115	• 118	.125	• 110	• 103		• 117	• 100	•103	• 137	.142		• 143	• 145	.153	• 145	• 150
EPTH R 10	ELECT	2	4	.053	/	1	•072		•063	•057	•074		•132		•079	•087	•112	• 1 1 4	• 119
DI ELECTRODE	3RD		660•	0	-	.001	9		.084	.072	640.	• 117	•119		N	• 129	, 137	0.137	.137
3RD ELI	CURRENT	4.80		4.80	σ,	•	3.67		4	2.82	2.21	1.13	•63		• 32	• 20	• 03	• 06	• 03
71 A•H•	A C K	VOLTAGE	4 • 71	4.64	4.57	4 • 49	3.42		0	•	6.23	•	•		1	5.70	ທ	ഗ	4
PACK NO.	CYCLE P.	NO.	4677•		9	4971.	5069		4677•	4736.	4891.	97	5069		4677•	7	4891.	4971.	90
																			/

PACK NO. GULTON 6	A	. 3RD ELI	ELECTROD	DEPTH)E R 24	OF D19	CHARGE B 24	0	TES ORB	<u> </u>	EMPERATUR PER10D 90	URE 2	ບ ທູ z		** **
CYCLE NO•	PACK VOLTAGE	CURRENT E 4.80	3RD 1	ELECT 2	VOLTAGE 3	ЕS 4	ហ		CELL 2	VOLTAG	AGES	Ŋ		÷
57444 5805 5909 5011	4 4 4 4 4 • • • • • 4		110 00 0110 010 0110	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	. 183 . 219 . 241	348 347 310 343	1.08 1.07 1.06 1.16	1.09	00000	1.16 1.16 1.09	1	2.387 2.393 2.393 2.378 2.378	END OF Discharge
191	• •	4 4	}	!	0	4	38		1 • 1 4	000	1.13	1 • 1 5	•37	
744 805 909	001	7.80	.195	268	0000	.204 .229 .302	.287 .296 .269	1 • 59 1 • 60 1 • 59	1 • 55 9 1 • 55 9 1 • 55	000	1.61 1.63 1.51	1 . 59 1 . 59 1 . 55		TRIP
6011 6092 6191	1000	3.72 7 3.40 1 1.31	.173	.239 .136	0000	26 13 14	30	1.50	1 • 56 1 • 58 1 • 52	000	1 • 59 1 • 57 1 • 51	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H N	
5744 5805 5909 5909 6011 6191	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00	. 204 . 156 . 132 . 151 . 212	.325 .298 .143 .278	000000000000000000000000000000000000000	.190 .200 .262 .216	. 4 15 4 00 4 4 00 4 4 00 4 3 2	1 . 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 • 39 1 • 39 1 • 38 1 • 39 1 • 39	000000	1 • 39 1 • 39 1 • 39 1 • 40	1 • 39 1 • 39 1 • 38 1 • 41 1 • 41	2.574 2.945 2.945 2.857 2.654 2.571	END OF CHARGE

71	20 - 23 20 - 23 20 - 23	3RD ELEC	200	11 12 H	OF DISC 18 20		25	TES	+ + U	0 ሰ	. ∑ ∪	25 I N•	e
1	CURRENT 3RD E 3 3 00 1	Ç	. 1	7 C T	70L AGE 3	Λ.	ហ	н	2 P L		A 4 กา 4	ហ	·
1	99 15	15	•	171			0	1.17	1 • 1 7	1 • 1 7	1.16	1 • 16	00
9	0 .152 .	152	•	171		1	Ò	1.17		1 • 1 7	1 • 16	1 • 16	200
2 .161 .200 .296 1.16 1.16 1.16 1.16 1.16 1.16 1.492 9 .156 .197 .292 1.17 1.16 1.16 1.16 1.15 1.14 1.548 9 .226 .236 .290 1.43 1.43 1.44 1.42 1.45 9 .222 .241 .284 1.43 1.43 1.44 1.45 9 .222 .241 .284 1.45 1.45 1.44 1.44 1.45 9 .232 .262 .332 1.42 1.42 1.42 1.42 1.42 7 .226 .248 .340 1.42 1.42 1.42 1.41 1.41 1.41 9 .232 .248 .366 1.38 1.39 1.39 1.38 1.38 1.585 9 .226 .237 .365 1.38 1.39 1.39 1.39 1.38 1.38 1.656 9 .225 .256 .354 1.38 1.39 1.39 1.39 1.39 1.38 1.38 1.656 9 .225 .256 .354 1.38 1.39 1.39 1.39 1.39 1.38 1.38 1.656 9 .225 .256 .356 1.38 1.39 1.39 1.39 1.39 1.38 1.38 1.656	.09 .143 .	143 •	•	29		Ø	25	1.16	1.16	1 • 16	1 • 16	1.16	- 1
9 .148 .188 .285 1.16 1.16 1.16 1.15 1.14 1.548 9 .156 .197 .292 1.17 1.16 1.16 1.15 1.14 1.533 9 .226 .236 .290 1.43 1.43 1.44 1.44 1.45 9 .222 .241 .284 1.45 1.45 1.44 1.44 1.45 9 .232 .262 .332 1.42 1.43 1.43 1.44 1.42 1.42 9 .236 .261 .332 1.42 1.42 1.42 1.42 1.42 7 .226 .248 .340 1.42 1.42 1.42 1.41 1.41 7 .226 .248 .365 1.38 1.39 1.39 1.38 1.38 1.585 9 .225 .226 .237 .365 1.38 1.39 1.39 1.39 1.39 1.38 1.656 5 .225 .226 .316 1.38 1.39 1.39 1.39 1.39 1.39 1.40 1.40	.04 .147 .	47	•	72		0	σ			~	1 • 16	1 • 16	4
9	• 09 • 139 •	39	•	69		$\boldsymbol{\omega}$	28	-	1 • 16		1 • 15	1 • 1 4	ທ 4
9	•11 •148 •	148	• 1	60		$\boldsymbol{\varphi}$	9	-	~		1 • 16		e E
9 .226 .236 .290 1.43 1.43 1.44 1.45 1.45 9 .222 .241 .284 1.45 1.45 1.44 1.44 1.45 9 .222 .241 .284 1.45 1.45 1.42 1.42 1.42 9 .236 .262 .332 1.42 1.42 1.42 1.42 1.42 7 .226 .248 .340 1.42 1.42 1.41 1.41 1.41 9 .236 .248 .366 1.38 1.39 1.39 1.38 1.38 1.585 9 .226 .237 .365 1.38 1.39 1.39 1.38 1.38 1.656 5 .225 .256 .354 1.38 1.39 1.39 1.39 1.39 1.39 1.650 8 .252 .296 .410 1.39 1.39 1.39 1.39 1.39 1.39 1.40 1.40													
9 .225 .228 .289 1.45 1.45 1.44 1.44 1.45 9 .222 .241 .284 1.43 1.43 1.43 1.43 1.43 9 .232 .262 .332 1.42 1.42 1.42 1.42 1.42 7 .226 .248 .340 1.42 1.42 1.41 1.41 1.42 9 .232 .248 .366 1.38 1.39 1.39 1.38 1.38 1.585 9 .226 .237 .365 1.38 1.39 1.39 1.38 1.38 1.656 5 .225 .256 .372 1.39 1.39 1.39 1.39 1.39 1.650 8 .252 .296 .410 1.39 1.39 1.39 1.39 1.39 1.582 9 .225 .262 .386 1.38 1.39 1.39 1.39 1.39 1.583	3 .205 .2	205 • 2	Ŋ		S	23	29	4				4	TRIP
9 .222 .241 .284 1.43 1.43 1.443 1.443 1.443 1.443 9 .232 .262 .332 1.42 1.42 1.42 1.42 1.42 1.42 1.42 1.4	1 .203 .2	203 .2	S		0	2	28	4	4	4	4	4	FNIOD
9 .232 .262 .332 1.42 1.42 1.42 1.42 1.42 1.42 9 .236 .261 .332 1.41 1.42 1.41 1.41 1.41 7 .226 .248 .340 1.42 1.42 1.42 1.41 1.42 AH IN 9 .232 .248 .366 1.38 1.39 1.39 1.38 1.38 1.585 5 .225 .256 .354 1.38 1.39 1.39 1.39 1.38 1.656 5 .225 .296 .410 1.39 1.39 1.39 1.39 1.39 1.58 9 .225 .296 .410 1.39 1.39 1.39 1.39 1.39 1.782 9 .225 .226 .386 1.38 1.39 1.39 1.39 1.39 1.40 1.40	8 .200 .2	200 • 2			3	24	28	4	4	4	4	4	-
9 .236 .261 .332 1.41 1.42 1.41 1.41 1.41 1.41 1.41 7 .226 .248 .340 1.42 1.42 1.42 1.42 1.41 1.42 AH IN 9 .232 .248 .366 1.38 1.39 1.39 1.39 1.38 1.38 1.585 5 .225 .225 .226 .354 1.38 1.39 1.39 1.39 1.39 1.39 1.39 1.39 1.39	3 .206 .2	206 • 2			3	26	33	4	4	4		4	
7 .226 .248 .340 1.42 1.42 1.42 1.41 1.42 AH IN 9 .232 .248 .366 1.38 1.39 1.39 1.38 1.38 1.585 5 .225 .256 .354 1.38 1.39 1.39 1.39 1.39 1.39 1.656 2 .234 .266 .372 1.39 1.39 1.39 1.39 1.39 1.39 8 .252 .296 .410 1.39 1.39 1.39 1.40 1.40 1.782 9 .225 .262 .386 1.38 1.39 1.39 1.39 1.39 1.39 1.785	3 .212 .2	212 .2		0,	E)	9	ტ_		4				
9 -232 -248 -366 1-38 1-39 1-39 1-38 1-38 1-585 9 -226 -237 -365 1-38 1-39 1-39 1-38 1-36 2 -225 -256 -354 1-38 1-39 1-39 1-39 1-39 1-640 8 -252 -296 -410 1-39 1-39 1-40 1-40 1-782 9 -225 -266 -386 1-38 1-39 1-39 1-39 1-39 1-40 1-785	.209	208 •2		7	N	4	34		4	4	4	4	-
9 .226 .237 .365 1.38 1.39 1.39 1.38 1.38 1.656 5 .225 .256 .354 1.38 1.39 1.39 1.39 1.39 1.39 1.601 2 .234 .266 .372 1.39 1.39 1.39 1.39 1.39 1.40 1.40 1.782 8 .252 .296 .410 1.39 1.39 1.39 1.40 1.40 1.782 9 .225 .262 .386 1.38 1.39 1.39 1.39 1.39 1.38 1.745	1 .209 .2	209 • 2	Ŋ		(L)	24	v		•				585
5 .225 .256 .354 1.38 1.39 1.39 1.39 1.38 1.80 2 .234 .266 .372 1.39 1.39 1.39 1.39 1.39 1.39 1.64 8 .252 .296 .410 1.39 1.39 1.39 1.40 1.40 1.78 9 .225 .262 .386 1.38 1.39 1.39 1.39 1.38 1.74	01 .202 .2	202 .2			N	(7)	36	1.38			m	ñ	•656
2 .234 .266 .372 1.39 1.39 1.39 1.39 1.39 1.39 1.64 8 .252 .296 .410 1.39 1.39 1.39 1.40 1.40 1.78 9 .225 .262 .386 1.38 1.39 1.39 1.39 1.38 1.74	2. 861. 10	198 • 2			S	រប	S	1 • 38	m		m	õ	80
8 .252 .296 .410 1.39 1.39 1.39 1.40 1.40 1.78	02 .202 .2	202 .2			• 234	Ø	7				m	n	64
9 •225 •262 •386 1•38 1•39 1•39 1•39 1•38 1•74	03 .219 .2	219 .2			S	Q,	4 1				4	4	Ø
	2 .205 .	205	62	-	S	9	8		'n	'n	m	n	74

		.887 END OF .882 DISCHARGE .887 .914	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.141 END OF .309 CHARGE .172 .157
0 4 0 V I	ហ		1 • 3 9 1 • 3 9 1 • 3 9 1 • 4 0	1.36 1.37 1.37 1.38
≥	4 4 4	100000000000000000000000000000000000000	04.04.0	1.37 1.37 1.38 1.38
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T TEMP IT PER	CELL 2		1 • 40 1 1 • 40 1 1 • 40 1 1 • 40 1 1 1 • 41 1 1	1 . 37 1 1 . 38 1 1 . 38 1 1 . 38 1 1 . 38 1 1 . 38 1 1 . 37 1 1 . 37 1 1 . 37 1 1 . 37 1 1 . 37 1 1 . 37 1 1 . 37 1 1 . 37 1 .
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ក្	Ŋ	174 169 182 149	.297 .338 .325	.393 .397 .408 .413
DISCHARGE 47 47 47	S. 4	153 153 153 150	. 288 . 453 . 287 . 278	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
OF DISC 47 47	VOLTAGE 3	.091 .095 .097 .087	.192 .210 .180	221 228 229 209
EPTH R 47	ELECT \	.091 .095 .102 .077	.188 .205 .189	228 228 229 215
D ELECTRODE	38D		.235 .238 .238	273 273 273 273
3RD ELE	CURRENT 1.80	1 8 8 9 1 8 8 9 1 1 8 8 9 1 1 8 8 9 1 1 1 1	. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000
M T U	EII O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.96 6.94 6.93 6.93	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
PACK NO.	CYCLE PACS NO. VOLTA	3729. 3895. 3993. 4072.	3729• 3895• 4072• 4171•	3729. .3895. .3993. .4072.

*	•	3GE		
		END OF	TRIP POINT END OF CHARGE	
		1.475 1.478 1.486 1.500 1.475 1.483	1.996 2.093 2.128 2.203	2.186 2.318
0 4 0 Z 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ŋ			1 • 36 1 • 36
Σ	AGES 4	1	11	1.37
TEMPERATURE PERIOD 90	VOL T,	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0444 0444 0444 0444 0444 0444 0444	1 • 37
⊢	CELL 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.45 1.45 1.45 1.45 1.41 1.37 1.37 1.38	1.37
TES		1.16 1.15 1.14 1.13 1.17	1. 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.37
25	ເດ	.084 .089 .076 .108 .124	241 259 230 278 278 284 199 212 194 230	.001
DISCHARGE 12 36 47	\$ 4	.097 .096 .097 .108	2444 2661 272 273 273 200 200 213	.237
OF DIS(VOLTAGE 3		. 293 . 393 . 393 . 393	.380
EPTH R 11	ELECT V	. 137 . 146 . 142 . 134 . 143	263 277 277 271 271 271 239 239 239	.236
CTROD	380	0 4 0 c c c	2007 2007 2007 2003 2003 2003 2003 2003	
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PACK NO. GULTON 6	CYCLE P.	4394. 4455. 4560. 4661. 4743.	4394. 4560. 4561. 4661. 4743. 4841. 4394. 4455.	4743.

.		976 END OF 992 DISCHARGE 114 031 960	α α α α α α α α α α α α α α α α α α α	138 END OF 217 CHARGE 497 110 456
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MPERATURE ERIOD 90		1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	11 11 11 11 11 11 11 11 11 11 11 11 11	1
ST TE BIT P	CELL 2	1.22 1.22 1.22 1.22 1.22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.000 1.000 1.000 1.000 1.000 1.000
T OR		1.22 1.21 1.21 1.21 1.23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000 • 1 000 • 1 000 • 1 000 • 1 000 • 1
25	ហ	.007 .012 .007 .026 .031	0044400 0044400 0044400 00044	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
DISCHARGE	Э.Е.S. 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	214 046 044 044 044	0000 0000 0000 0000 0000 0000 0000 0000 0000
9.F	VOLTAGE 3	.025 .030 .030 .025		.659 .616 .641 .579 .654
DEPTH JER3	ELECT 2	056 054 070 071 071 098	710 70 70 70 70 70 70 70 70 70 70 70 70 70	.745 .711 .709 .656 .715
DE ELECTRODE	3RD 1	0770 470 1119 090 1050	. 150 . 170 . 170 . 194 . 141	. 754 . 753 . 753 . 762
3RD EL	CURRENT	5.09 6.09 6.09 6.09 5.09	. 96 . 99 . 92 . 92	1.02 1.02 1.02 0.04 0.04
0 • V • V •	PACK CUR VOLTAGE	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.26 7.30 7.30 7.30 7.30	7.43 7.50 7.443 7.443
PACK NO.	⊢	2224 2224 2224 2224 2224 2224 2224	2244 . 2308 . 2411 . 2513 . 2595 .	2244. 2308. 2411. 2513. 2595.

•	4.708 4.699 END OF 4.795 DISCHARGE 4.814 4.761	,	AH IN 4.923 4.813 END OF 5.333 CHARGE 4.994 4.934
Ŋ	1.17 1.16 1.16 1.19		1 • 4 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6
ra g es 4	1 • 1 7 1 • 1 7 1 • 1 7 1 • 1 7 1 • 1 9	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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CELI 2	41 • 1 41 • 1 1 • 1 1 • 1 1 • 1 1 • 1 2 · 1 1 • 1 2 · 1	1.47 1.55 1.50 1.48 1.48	1
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വ	. 003 . 000 . 000 . 002 . 032	.073 .083 .078 .068	.357 .358 .356 .366 .441
П S 4			.139 .137 .152 .216
VOLTAG 3	. 012 . 009 . 011 . 017 . 020	.090 .066 .092 .076 .318	. 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ELECT 2	. 107 . 118 . 118 . 130 . 122	23.0 44.4 44.0 62.0 7.0 7.0 7.0 7.0	. 228 . 228 . 233 . 245 . 245
3RD 1	.085 .083 .086 .112 .121	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	200 200 200 200 200 200 200 200 200 200
88ENT 9.60	9.32 9.47 9.47 9.47 9.47	3.07 8.12 5.00 4.15 .51	4 4 4 M 4 4 0 4 4 0 4 4 0 4 4 0 4 4 0 4 4 0 4 4 0 4 4 0 4 4 0
ACK CUR	5.76 5.75 5.73 5.68 5.89	7.40 7.91 7.51 7.46 7.52	7.20 7.19 7.19 7.20 7.18
CLE OUT	100 100 100 100 100	1589. 1645. 1754. 1851. 1933. 2030.	1589. 1645. 1754. 1933. 2030.
	CLE PACK CURRENT 3RD ELECT VOLTAGES VOLTAGE 9.60 1 2 3 4 5 1 2 3 4 001	CLE PACK CURRENT 3RD ELECT VOLTAGES VOLTAGE 9.60 1 2 3 4 5 1 2 3 4 5 OUT 1589. 5.76 9.32 .085 .107 .012 .005 .003 1.15 1.14 1.17 1.17 1.17 1.16 4.699 1645. 5.75 9.29 .083 .114 .009 .004 .007 1.14 1.13 1.17 1.17 1.16 4.699 1754. 5.73 9.47 .086 .112 .011 .004 .007 1.14 1.13 1.17 1.16 4.795 1851. 5.68 9.41 .112 .130 .017 .012 .022 1.13 1.12 1.16 1.17 1.16 4.761 1933. 5.89 9.47 .121 .140 .020 .011 .032 1.19 1.19 1.19 1.19 1.19 1.19 1.19 1.1	CLE PACK CURRENT 3RD ELECT VOLTAGES VOLTAGE 9.60 1 2 3 4 5 1 2 3 4 5 OUT 1589. 5.76 9.32 .085 .107 .012 .005 .003 1.15 1.14 1.17 1.17 1.17 1.16 4.699 1645. 5.75 9.29 .083 .114 .009 .004 .007 1.14 1.17 1.17 1.17 1.16 4.699 1754. 5.73 9.47 .086 .112 .011 .004 .007 1.14 1.13 1.17 1.17 1.16 4.699 1754. 5.73 9.47 .086 .112 .011 .004 .007 1.14 1.13 1.17 1.17 1.16 4.699 1754. 5.73 9.47 .121 .140 .020 .011 .032 1.19 1.19 1.19 1.19 1.19 4.795 2030. 5.78 9.41 .104 .122 .012 .007 .024 1.16 1.17 1.17 1.17 1.17 4.749 1589. 7.40 3.07 .252 .239 .090 .420 .073 1.48 1.47 1.47 1.50 1.50 1.50 1.50 1.61 15851. 7.46 4.15 .219 .252 .076 .426 .068 1.49 1.48 1.48 1.53 1.53 1.53 15851. 7.46 4.15 .242 .243 .092 .421 .078 1.50 1.50 1.50 1.59 1.59 1.59 1.59 1.59 1.59 1.59 1.59

TEST TEMPERATURE -20 C ORBIT PERIOD 90 MIN.			END OF	DISCHARGE						END OF	CHARGE				
52	TAGES	ហ	• 98	.97	• 98	• 98	66•	-97		1.61	1.63	1.63	1.63	1.65	1.62
CHARGE	CELL VOLTAGES	4	• 00	00•	00.	• 00	00.	00.		00•	00•	000	00.	00•	00.
OF DISCHARGE TER		m	00•	00•	00•	00•	00•	00.		• 00	00•	00.	00•	00•	00•
DEPTH OF STABISTER	:	N	1.08	1.08	1.09	1.09	1.06	1.06		1.57	1.60	1.61	1.61	1.58	1.58
,			1.04	1.04	1.04	1.03	66•	1.01		1.62	1.64	1 • 64	1 • 64	1 • 63	1 • 63
•	RENT	2 • 53 O	2.39	2.45	2.40	2.43	2.43	2.42	S.00	5.22	5.08	5.00	5.05	5.04	5.04
175 5 A•H	- CY	VOLTAGE	3.03	3.02	3.05	3.04	2.97	2.98		4.86	4.92	46.4	46.4	4.92	4 • 90
PACK NO.	Ш	• 02	1851.	1881.	1958.	1988.	2057	2089.		1851	1881.	1958.	1988•	2057•	2089.

TEST TEMPERATURE O C ORBIT PERIOD 90 MIN•		FO ONE	DISCHARGE								END OF	CHARGE						
23	TAGES	1 • 0	1.06	1.04	1.04	1.02	1.12	1 • 10	1.22		1 • 70	1 • 70	1.66	1.66	1.66	1.61	1.61	1 • 4 4
CHARGE	CELL VOLTAGES	1.12	1.12	1 • 1 1	1.12	1.10	1.13	1 • 1 1	1 • 24		1.61	1.60	1.60	1.60	1.60	1.60	1.61	1 • 45
OF DISCHARGE TER	CEI	1.13	1.12	1.12	1.12	1 • 10	1 • 13	1.12	1.23		1.58	1.57	1.57	1.58	1.57	1.57	1.57	1 • 4 4
DEPTH OF STABISTER	n	1.12	1.12	1 • 1 1	1 • 1 1	1.09	1.13	1.12	1.05		1.57	1.57	1.56	1.57	1.56	1.56	1.56	1.55
	•	1 • 10	1 • 10	1 • 09	1 • 10	1.08	1 • 1 1	1 • 10	1.24			1.58		1.58				
•	CURRENT	2.48	2.46	4	4	4.	4	• 4	4	0	0	5.07	-	0	0	0	0	0
92 5 A•H	PACK CUR	5.56	5.53	• 4	ι.	4.	•	10	6		•	8.01	•	•	•	•	•	•
DACK NO.	CYCLE PA	2703	2733.	9	94	0	76	00	7		70	2733.	8	84	90	97	0	07

		END OF DISCHARGE			END OF CHARGE	
TEST TEMPERATURE 0 ORBIT PERIOD 90 MIN•					·	
0 4	TAGES 5	1 • 0 9 1 • 0 7 1 • 0 7		1.06	1.58	1.58 1.58 1.56 1.55 1.55
DISCHARGE	ELL VOLTAGE 4 5	i • 09 1 • 08 1 • 07		1.05 1.05 0.05	1.58	1 . 5 . 7
OF DIS TER	о С Е	000	000	000	000	000000
DEPTH STAB1S	N	1 • 1 0 1 • 0 8 1 • 0 7		1.07	1.55	
		000	1.03			
•	7 ENT • 00		0.00 0.00 0.00 0.00		• •	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
322 5 A•H	CK CURRE	4 60.0 70.0 70.0 70.0	• • •		4 N	6 6 6 6 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9
PACK NO.	CYCLE PAC	2492 • 2522 • 2599 •	0 0 0		49 52	25999. 26299. 26989. 27649. 28019.

TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.	
DEPTH OF DISCHARGE 25 STABISTER	CELL VOLTAGES
NO. 273 TONE 5 A.H.	E PACK CURRENT

TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.			END OF	D1SCHARGE									END OF	CHARGE							
25	VOLTAGES	ເດ	1.03	1.06	1.03	• 95	1.02	66•	1.07	66•	1 • 00		1.42	1 • 4 4	1.43	1.42	1.42	1.42	1.43	1 • 4 1	1.42
DISCHARGE	ELL VOL	4	1.09	1.09	1 • 09	1.08	1 • 10	1.08	1.09	1.08	1.05		1.42	1.43	1 • 43	1.42	1 • 43	1 • 43	1 • 43	1.42	1 • 43
OF DIS TER	S	m	1.08	1.08	1.07	1.07	1.08	1.07	1.09	1.07	1.04		1 • 43	1.44	1 • 43	1 • 43	1 • 44	1 • 44	1 • 43	1 • 43	1.44
DEPTH STAB1S		2	•05	•05	•01	•05	•02	•05	٠ 0 9	•05	₹0 •		•03	•03	40.	•03	•03	•03	•03	•03	•03
		-									•05									•03	
·	CURRENT	2.50	(r) •	m	ω	m	€	7	4	2.30	4	0	0	0	0	0	-	0	0	5.07	0
273 5 A.		VOLTAGE	•	-	•	0	•	0	•	3.08	0		.3		6.3	.3		€.	ω	4 • 35	
PACK NO.	CYCLE P	0 > • OZ	03	90	0	23	26	29	34	37	3440.		03	90	10	23	26	29	34	3378•	4 4

40	ν Ζ Σ
TURE	06
TEMPERAT	PERIOD
TEST	ORBIT

DEPTH OF DISCHARGE STABISTER

299 5 A•H•

PACK NO.

O

TAGES 5	000000000000000000000000000000000000000
CELL VOLTAGES 4 5	0.0000000000000000000000000000000000000
3 CE	00001 00000 00000 00000 00000
α	00000000000000000000000000000000000000
-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PAC< CURRENT OLTAGE 2.50	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PAC< C VOLTAGE	8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
0 × CL E × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 ×	2754 2784 2861 2861 2960 3028 3074 3170

							,
1 • 4 7	1 • 4 7	1 • 48	1.48	1 • 48	4.97	7.34	3170.
4	4		1 • 4 7	1 • 48	4.97	7 • 34	3107.
•	1 • 4 7	4	<t< th=""><th>1 • 48</th><th>0.</th><th>7.34</th><th>3074.</th></t<>	1 • 48	0.	7.34	3074.
4	4	4	<+ −	1 • 48	•	7.38	3025.
4	4	•	1.47	4	5.04	7.35	2992
•	1 • 4 7	4	1.47	1 • 48	S•00	7.34	2960
4	4	•	4	4		7.36	2891•
4	1 • 4 7	4		1 • 48	4.98	7.35	86
4	4	4	1.47	1 • 48	5.04	7.36	78
4	4	4	1 • 48	1 • 48	€0.00 40.00	7.35	2754.
					IJ• 00		

END OF

TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.		END OF DISCHARGE			END OF CHARGE		
0	TAGES 5	. 93 . 91	. 90 . 87	1.03 .97	1 • 48 1 • 48	1 • 4 8 1 • 4 8 1 • 4 8 1 • 4 8	1.47
DISCHARGE	CELL VOLTAGE 4 5	40. 40. 60.	.92	1.03 .96	1 • 4 5 0 4 • 1	4 4 4 4 4 4 0 0 0 4	1 • 4 5 1 • 4 5
OF DISC	CEL	1 • 0 8 1 • 0 7 1 • 0 8			1.43	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.43
DEPTH (STABIS	8	000	000	000	00	00000	000
		66.	• • • •	000	1.47	1 • 4 6 1 • 4 4 7 1 • 4 4 7 1 • 4 6 1 • 4 6	1.46
·	CURRENT 1.51	1 4 4 0 0 0 0	4 4 4		000		4.97
312 5 A.	PACK CL VOLTAGE				0.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0
PACK NO.	CYCLE P,	2847 • 2876 •	0000	3166 3200 3262	2847• 2876•	2954 • 2983 • 3052 • 3084 • 3166 •	3200. 3262.

TEST TEMPERATURE -20 C ORBIT PERIOD 90 MIN.		END OF DISCHARGE	END OF
25	TAGES 5	4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 • 97 1 • 96 1 • 86 1 • 86 1 • 88
DISCHARGE F RECHARGE	CELL VOLTAGES 4 5	4 M M 4 M M 4 M M M M M M M M M M M M M	1
F DI OF	3 CEI	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DEPTH O	7	1 • 4 4 4 1 • 4 4 4 4 4 4 4 4 4 4 4 4 4	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	7	1 • 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 • 9 1 1 • 9 0 1 • 9 8 1 • 9 8 1 • 8 9
	CURRENT •63	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
174 A•H•	PACK CU VOLTAGES	7 · 16 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 ·	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PACK NO.	CYCLE P	1 9 0 0 0 0	- m o - m o o o o o o o o o o o o o o o

PACK NO. 388 GU 1.25 A.H.	• 388 • • • •			DEPTH OF	. D.I	DEPTH OF DISCHARGE PERCENT OF RECHARGE	60 E	TEST TEMPERATURE -20 CORBIT PERIOD 90 MIN.	
CYCLE PACK CURRENT NO. VOLTAGES 1.5	PACK C VOLTAGES	CURRENT 1.5		N	3 CE	CELL VOLTAGES 4 5	TAGES		
-	5.37	1.50	1.08	1.03	1.08	1.07	1 • 10		END OF
3.	5.27	1.49	1.08	46.	1.08	1.06	1.10		DISCHARG
6	3.94	1.40	• 94	•33	• 93	•76	66•		
17.	2 • 18	1.50	• 81	• 01 01	.87	•24	• 78		
37.	7.04	1.02	1 • 44	1.23	1.45	1.45	1.47		
		1.25		-					
1 •	9.76	1 • 1 7	1 • 95	1.99 €	1.96	1.94	1.94		END OF
m	9.88	1.26	1 • 97	1.98	1.98	1.97	1.96		CHARGE
0	9.75	1.01	1.97	5 • 0 6	1.89	1.94	1.87		
17•	89.6	1.01	1.89	2.06	1.90	16.1	1 • 90		
37.	9.85	1.01	1.93	2.06	1.93	1 • 99	1.93		

, 0										
E 60	VOLTAGES 5	1.62	1.58	1.25	1 • 16	1 • 1 4	1 • 1 4	1 • 13	1.13	1 • 1 4
OF DISCHARGE T OF RECHARGE	CELL VOL	1.63	1.58	1.24	1 • 1 4	1.14	1 • 1 4	1 • 15	1.13	1.15
OF DIS TOFR	ى ق	1.63	1.58	1.24	1 • 15	1 • 15	1 • 13	1 • 1 4	1.12	1 • 15
DEPTH O PERCENT	N	1.61	1.59	1.24	1 • 1 4	1 • 1 4	1 • 1 4	1 • 1 4	1 • 1 3	1.15
	4	1.62	1.59	1.23	1 • 13	1 • 13	1 • 13	1 • 13	1.12	1 • 1 4
	CURRENT 1.5	1 • 43	1.32	1.49	1.49	1.49	1.49	1.53	1.50	1.50
198 • 1 • 0	PACK CI VOLTAGES	8.09	7.91	6.14	5.68	2.67	5 • 68	5.67	5.63	5.69
PACK NO. 198	Ш Ш	•	75.	104.	173.	205.	246.	287.	326.	381.
PAC GU	0 • 0 0 2									

END OF DISCHARGE

	1.43	1 • 70	1.76	1 • 74	1.72	1.71	1.70	1.72	1 • 70
	1.43	1.70	1.79	1 • 76	1.76	1 • 74	1 • 75	1.75	1 • 75
	1.43	1 • 70	1 • 79	1 • 76	1 • 75	1.72	1.72	1 • 73	1 • 74
	1.43	1.70	1.81	1.79	1 • 79	1 • 77	1.77	1 • 78	1 • 78
	1 • 42	1 • 70	1 • 80	1 • 76	1 • 76	1 • 75	1 • 74	1 • 76	1 • 76
1 • 25	• 01	1.24	1.23	1.23	1.23	1.23	1 • 26	1 • 25	1 • 25
	7.10	8.49	8.91	8 • 79	8.76	8.72	8.66	8 • 76	8 • 70
	-	75.	104.	173.	205	246.	287.	326.	381•

END OF CHARGE

			END OF	DISCHARGE									END OF	CHARGE							
TEST TEMPERATURE O C ORBIT PERIOD 90 MIN•																					
7 25	VOLTAGES	Ŋ	1.43	1.45	1 • 45	1.45	1 • 45	1 • 45	1 • 45	1 • 4 4	1.45		1.73	1 • 70	1 • 71	1.70	1 • 70	1 • 70	1.69	1 • 71	1 • 72
DISCHARGE OF RECHARGE	CELL VOL	4	1 • 4 4	1.45	1.45	1.45	1.45	1 • 46	1 • 44	1 • 4 U	1.45		1.81	1 • 72	1 • 73	1 • 71	1 • 71	1.72	1.70	1.72	1 • 73
= D1	CE	m	1.44	1 • 45	1 • 45	1 • 45	1.45	1 • 47	1 • 45	1.46	1.45		1.71	1.72	1.73	1.72	1.72	1.73	1 • 71	1 • 74	1.75
DEPTH OF		N	1.43	1.45	1.45	1.44	1.44	1.45	1.44	1.45	1.45		1 • 78	1.71	1.71	1.70	1.70	1.71	1.69	1.72	1.73
		⊷	1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1 • 44	1.44	1 • 44		1.78	69•1	1 • 70	1.68	1 • 68	1.68	1 • 66	1 • 68	1 • 69
	CURRENT	•63		• 63	• 62	• 66	• 65	•62	• 63	•62	•62		1.27					1 • 25		1.28	1.28
308 A•H•	¥	TAGES		8	7.26		82		٠ د	3			. 7	•	ů	•	ហ	ហ	8 • 46	8.54	•
PACK NO. GU 1.25	CYCLE PA	NO. VOLTA	1.	75.	104.	173.	0	4	287.	N	00		•	75.	104.	173.	205	246.	287.	326.	381.

TEST TEMPERATURE 0 C	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 15	PERCENT OF RECHARGE 115
< NO. 315	TON 4 A.II.

			END OF	DISCHARGE									END OF	CHARGE							
TEST TEMPERATURE O CORBIT PERIOD 90 MIN.																					
15 115	TAGES	ហ	1.24	1.25	1.23	1.24	1.23	1.22	1 • 25	1.24	1.24		1.53	1.55	1.53	1.54	1.53	1.53	1.55	1.55	1 • 54
SCHARGE	ELL VOLTAG	4	1.24	1.24	1.24	1 • 24	1 • 24	1.23	1.25	1.25	1.25		1.54	1.57	1.56	1 • 56	1.56	1.56	1.56	1.57	1.57
7 0 1	CE	٣	1.24	1.24	1.23	1.24	1.24	1 • 24	1.25	1.25	1.26		1.51	1.52	1.51	1.52	1.52	1.52	1.52	1.53	1.52
DEPTH OF		Ŋ	1.24	1.24	1.23	1.24	1.23	1.23	1.24	1.24	1.24		1.58	1.62	1.60	1.60	1.60	1.59	1.60	1.61	1.60
		-			1 • 24				1 • 25									1.53			1.53
	CURRENT	1.20	1 • 18	1 • 19	1.19	1.17	1.18	1 • 19	1.18		1 • 18	•69	• 42	• 56	• 50 •	•57	• 55	• 54	• 52	• 56	• 50
315 A•H•		VOLTAGE	•	-	6.20	•	•	•	82	S	62		•	7.	φ	.7	7	7.71	7.	7.77	.7
PACK NO.	CYCLE P/	NO.	57	63	8707.	77	80	84	8890	92	8986		8570.	8639	8707.	8776.	8808		•0688 7		8986

TEST TEMPERATURE 0 C	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 25	PERCENT OF RECHARGE 115
40. 326	• H • H •

			END OF	DISCHARGE										END OF	CHARGE		•	-				•
TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN•													-									
25 E 115	TAGES	ហ	1 • 19	1 • 20	1.20	1 • 20	1.20	1 • 18	1.20	1.19	1 • 20			1.53	1.53	1.54	1.54	1.56	1.54	1.54	1.53	1.53
DISCHARGE F RECHARGE	LL VOLTAGE	4	1 • 19	1.19	1.19	1.19	1.19	1 • 18	1.20	1.19	1.20			1.56	1 • 55 55	1 • 56	1 • 56	1.58	1.57	1.57	1.57	1.87
)F DI	CELL	ю	1.19	1.19	1.19	1 • 19	1 • 19	1.19	1.20	1.19	1.20			1 • 55	1.55	1.55	1.56	1.57	1.56	1.56	1.57	1.57
DEPTH C		2	1.20	1.19	1.20	1.20	1 • 1 9	1.19	1.20	1.20	1.21			1.52	1.52	1.53	1.53	1.54	1.53	1.53	1.53	1.53
			1 • 19	1 • 19	1 • 19	1 • 19	1 • 19			1 • 19	1.20			1 • 54	1 • 54	1 • 54	1 • 55	1.57	1 • 56	1.56	1.56	1 • 56
	CURRENT	2.00	1 • 99	•	2.01	1.99	1.98	1.99	•	2.03	2.00	•	1.15	• 61	• 61	• 66	• 65	• 81	•71	• 66	•67	•67
326 A•H•	Y V	VOLTAGE	5.95	6	9	6	5.94	6	6	5.96	5.99			•	•	7.70	•	•	7.76	•		7 • 74
PACK NO.	CYCLE PA	NO.	9042•	9071.	9149.	9178•	9247.	9279.	9361.	9395	9457.			9042	9071.	9149.	9178.			9361		9457•

TEST TEMPERATURE 25 C	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 25	PERCENT OF RECHARGE 125
0K NO. 204	TON 4 A.H.

DACK NO.	• 204 A•H•			DEPTH OPERCENT	F DI OF	DEPTH OF DISCHARGE PERCENT OF RECHARGE	25 E 125	TEST TEME ORBIT PER
CYCLE P	PACK C VOLTAGE	CURRENT 2.00	7	N	3 CE	CELL VOLTAGES 4 5	TAGES 5	
8844•	5.77	1.97	1 • 16	1.16	1 • 18	1.16	1•16	
8873.	5 • 78	1.95	1 • 16	1.16	1.18	1.16	1 • 1 7	
8951.	5.70	2.00	1 • 15	1.13	1 • 16	1.15	1.15	
8980	5.72	2.02	1 • 15	1.14	1 • 16	1.15	1.15	
9049	6.56	2.01	1 • 32	1.33	1.33	1 • 30	1.33	
9080	5.73	2.00	1 • 15	1.14	1 • 1 7	1 • 15	1 • 1 4	
9125.	5.73	1.99	1 • 15	1.14	1 • 1 7	1 • 1 4	1.15	
9163.	5.84	2.00	1 • 17	1.17	1 • 18	1 • 1 7	1 • 1 7	
9196.	5 • 79	2.00	1 • 16	1.16	1 • 18	1.16	1 • 15	
9 259	5.83	1 • 99	1 • 1 7	1 • 1 7	1 • 19	1.16	1 • 16	

END OF DISCHARGE

	1.48	1.49	1 • 48	1.48	1.48	1.47	1.47	1 • 46	1 • 47	1.48
	1.53	1.53	1 • 54	1.55	1.53	.1.53	1 • 54	1.50	1.53	1 • 54
	1 • 46	1.46	1 • 46	1.46	1.45	1.46	1.46	1.44	1.45	1 • 46
	1.46	1.45	1.46	1.46	1.45	1 • 45	1.45	1.44	1.45	1.46
	1 • 4 7	1 • 4 7	1 • 48	1 • 4 7	1 • 4 7	1 • 47	1 • 47	1 • 46	1 • 47	1 • 47
0 V	1.29	1.23	1.22	1 • 23	1 • 25	1.27	1.	1 • 09	1.27	1.27
	7 • 34	7.36	7 • 38	7.38	7.34	7.33	7.35	7.27	7.•34	7.36
	8844•	8873.	8951•	.0868	9049	•0806	9125.	9163.	9196.	9259.
	/.	3	4	,						

END OF CHARGE

2 e'	ggi	END OF DISCHARGE		END OF	
7E 25 C					
TEST TEMPERATURE 25 ORBIT PERIOD 90 MIN					
40 E 125	TAGES 5	1.04	۳ ٥	4 4 4 4 4 4	1 • 44
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES	1.09	1 • 0 7	1 • 578	1.59
OF D1S	3 CE	000	00	000	000
DEPTH PERCEN	N	1.12	1 • 09	1.52	1.53
		-	• 82	1 • 44	1 • 44
	3.20	3 • 11 3 • 10	3.13 2.00	1.75	2.05
014 4.14	PACK C VOLTAGE	4 • 30 4 • 03	2.97	ณ • 0 • 0 • 4	5.97
PACK NO. 214 GULTON 4 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 3.20	8402• 8431•	8474•	8402.	8474•

FRATURE 40 C	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 15	DERCENT OF RECHARGE 160
28	ŗ

		END OF	<u>{</u>								END OF	CHARGE							•
TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.																			
15	TAGES 5	1.20	1.20	1 • 19	1.20	1 • 1 9	1 • 20	1 • 36	1.19		1.43	1.43	1.43	1 • 43	1.44	1.42	1.42	1.43	1.43
DISCHARGE F RECHARGE	CELL VOLTAGES 4 5	1 • 1 9	1 • 18	1 • 18	1 • 1 7	<u>.</u>	1 • 18	1 • 37	1 • 1 9		1 • 43	1 • 42	1.43	1.43	1.43	1.43	1.42	1.43	1.44
)F D1	CEI 3	1.20	1.20	1.20	1 • 19	1.20	1.20	1 • 37	1.21		1 • 43	1.43	1.43	1.43	1 • 43	1.43	1 • 42	1 • 43	1.444
DEPTH C	N	1.20		1.20	1.19	1.20	1.20	1.37	1.21		1.43	1.42	1.43	1 • 42	1 • 42	1.42	1 • 4 1	1.42	1.43
	-	1.20	1 -	1 • 19	1 • 19	1 • 19	1.20	1 • 36	α		1 • 43	1 • 43	1 • 44	1 • 43	1 • 43	1 • 4.4	1 • 43	1 • 44	1.444
	CURRENT 1 • 20	1.18	•	1.20	1.21	1 • 19	<u>•</u>	•	1.21	96•	• 76	• 64	• 73	•67	• 70	.72	69•	• 84	α
228 A•H•	PACK CL VOLTAGE	5.95	0	6	• •	8.00 °C	্	6.79	• (j)		-	7.08	-	•		•	\sim	7.13	-
PACK NO.	CYCLE PA	8737	8844.	8873.	8942.	8973.	ψ,	9089	15		8737.	8766.	8844•	8873•	8942.	8973•	L)	•6806	10
											/ ·	*	/						

TES	ORB
25	160
DEPTH OF DISCHARGE	PERCENT OF RECHARGE

1.13 1.14 1.12 1.13 • 13 1.12 CELL VOLTAGES 1 • 1 1 00. 000 00. 00. 00. 00. 00. 1.12 1.08 1 . 1 4 1 • 13 1.05 1 • 14 1.07 1.00 1.13 •60 1 • 13 1.04 .95 1.10 1.08 1 • 15 • 14 1 . 12 1 • 14 • 14 • 14 • 14 1 • 15 CURRENT 1.99 2.00 86.1 2.01 2 · 00 2 · 03 2 · 02 2 · 02 1.97 86.1 16.1 GULTON 4 A. H. 4 • 50 1 3 • 96 4 • 49 VOLTAGE 4.54 4 • 29 4.26 4 • 4 1 4 • 4 1 4.34 PACK NO. 240 PACK 8975. 8800. 8907 8878. 9007 9052. •0606 9123. CYCLE • 0 Z

DISCHARGE END OF

1.05

1.64 1 . 55 1 • 60 • 60 5.80 4.41 5.82

8771.

END OF CHARGE

1.47

1.45 1 • 46

1.47

1.46 1.45 1.46 1.45

> 00. 00 00. 00 00.

1 • 46

1.45

1.44 1.43 1.43 1.43 1.44 1 • 44 1.44

1.46 1.46 1 • 46 • 46 1 • 45 1 • 46 1 • 46

• 52 • 41 •49

1.41

1.46

• 46 • 44 • ປ 444 • 44 •46

1 • 48

00 00 00. 000

1.46

1.45 1.45

1 • 47

5.80 5.77 8800. 8878. 8907

5.77 .9768

9007

5.77 5.77

.42 • 34 .35

1.24 5.77

9052. •0606 9123.

U	
TEST TEMPERATURE 0	PER10D 90
DEPTH OF DISCHARGE 15	T OF RECHARGE 115

TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.		•	END OF	DISCHARGE										END OF	CHARGE							
15 E 115	TAGES	വ	1.26	1.26	1.26	1 • 25	1.26	1.24	1.24	1.25	1.24	1 • 25		1.51	1.51	1.53	1.51	1.51	1.50	1.50	1.51	1.51
SCHARGE	ELL VOLTAG	4	1.26	1.26	1.26	1.26	1.25	1.25	1 • 25	1.26	1.26	1.26		1 • 49	1 • 48	1.50	1.49	1 • 48	1 • 49	1 • 49	1 • 48	1.49
A OF DIS	CEI	m	1 • 26	1.26	1.26	1.26	1.25	1.25	1.25	1.25	1.26	1.26		1 • 48	1 • 48	1 • 50	1 • 48	1 • 48	1 • 48	1 • 48	1 • 48	1 • 48
DEPTH PERCEN		2	1.26	1.26	1.26	1.26	1.25	1.25	1.25	1.25	1.25	1.26		1.50	1 • 49	1.50	1.50	1.49	1 • 49	1.50	1 • 48	1.49
				1 • 25										1.56	1 • 57			1 • 58				
	CURRENT	3.60	9	3.57	ហ	ιυ.	ις.	ស	ſΩ	7	9	Φ.	0	1.07	96•	~	1.04	1.07	1.04	1.04	1 • 19	1.10
216 2 A•H•	V	_TAGE	82	6.25	•2	3	ŝ	2	8	• 2	S	8		4	7.50	Ŋ	เก	ທ	ល	ល	4	ហ
PACK NO.	Lil	NO. VOLT	78	5809	88	9	98	0.1	0.5	•6609	<u></u>	O		78	5809.	88	9	98	0	90	60	13
																1	×	0				

1.49 1.48 1.49

1 • 59

1.08

7.52

			END OF	U									END OF	CHARGE							
TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.																					
25 115	rAGES	ເດ	1.20	1.20	1 • 19	1.21	1 • 19	1 • 19	1 • 1 9	1 • 19	1.20		1.57	1.60	1.56	1.58	1.57	1.57	1.64	1.60	1 • 58
DI SCHARGE RECHARGE	LL VOLTAGE	4	00•	00•	00•	00•	00•	00•	00•	00•	00•		00•	00•	00•	00•	00•	00•	00•	00•	00•
0F 0F	CEI	m	1.20	1.20	1.20	1.21	1.20	1 • 19	1 • 10	1 • 1 9	1.20		1.52	1.53	1.52	1.53	1.52	1.52	1 • 56	1.55	1.53
DEPTH ERCENT		N	1.21	1.21	1.21	1.22	1.20	1.20	1 • 19	1.19	1.20		1.53	1.54	1.53	1.54	1.54	1.54	1.60	1.61	1.58
α.		~	1.21	1.21	1.20	1 • 21	1 • 20	1 • 20	1.20		1 • 21		1.54	1.56	1.54	1 • 54	1.54		1.59	1.57	1.56
	CURRENT	9	•	0	•	5.98	Ō.	00•9	0		9	4	. 7	2.01	ဆ	œ	ω	œ	r.	5.09	۲.
301 2 A•H•	PACK	LTAGE	4.78	4 • 78	4.77	4.77	4.76	4 • 75	4 • 77	4 • 75	4 • 80		6.17	6.23	6.17	6.17	6 • 18	6.17	6.39	6.34	6.24
PACK NO. GULTON 12	CYCLE P	NO.	6642.	6672.	6711.	6779•	6848•	6880•	6913•	·2969	7058•		6642.	6672.	6711.	6779	6848.	6880.	6913.	6962•	7058•

O

10 14

DEPTH OF DISCHARGE 25 PERCENT OF RECHARGE 125	TEST TE	ORBIT P
EPTH OF DISCHARGERCENT OF RECHAR	25	125
	PTH OF DISCHARG	ERCENT OF RECHAR

DEPTH OF DISCHARGE 25	NT OF RECHARGE 125	CELL VOLTAGE	ر ب
DEPTH	PERCENT		0
DACK NO. 22/	GULTON 12 A.H.	PACK CURRENT	CO. A PORT ON CO.
JACK	GUL TO	CYCLE	Ć Z

4 N	٠ ٣	2	_	00•9	띮	VOLTAGE	• 0 2
VOLTAG	CELL			CURRENT		PACK	CYCLE

.9909

6173.

6242.

6274. 6307.

6143.

1 • 1 4 1 • 1 4 1 . 14 1.15

1 • 1 4 1 • 1 2 1 • 1 4

END OF DISCHARGE

1 • 13

1.14

• 14 • 13 1.12

1 . 14 1.12

6452.

6389.

6356.

END OF CHARGE

1.48

1 • 48

1 • 48 1.46

1.48 1.48 1 • 46 • 48

1 • 47

1 • 47 1.47 1.48

• 49 1 • 47

• 47

.47

1.47

1 • 49 1.49

1 • 48 1.48

1 • 47

• 48 •48

1 • 47

1.48

1.48

1.48

1 • 47

1.48

- 6452
- 6356. 6389.

•9909

		END OF	U										END OF	CHARGE								
TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN•																						
15 160	TAGES 5	1•16	1 • 1 7	1.16	1 • 16	1 • 1 4	1 • 15	1 • 15	1 • 1 4	1.23			1.43	1 • 44	1 • 4 4	1.42	1.44	1.42	1.43	1.43	1.42	1.43
DI SCHARGE RECHARGE	ELL VOLTAGE	00		000		00•	00•	00•	00•	00•				00•	00•	00•	000	000	00•	00•	00•	• 00
OF DISO	CEL	1.16	1 • 16	1 • 15	1.15	1 • 16	1 • 15	1 • 15	1 • 16	1 • 24			1 • 46	1.46	1 • 45	1.44	1 • 45	1 • 46	1.45	1.45	1.46	1 • 43
DEPTH (Λ	1 • 1 4	1.14	1.13	1.13	1 • 1 4	1.13	1.13	1 • 13	1.27			1 • 4 4	1 • 44	1.45	1.43	1.44	1.44	1.44	1.44	1.44	1.43
ū	-		1 • 15	1 • 1 4 1 • 15	1 • 1 4	1 • 1 4	1 • 15	1 • 1 4	1.14	1.82			1 • 44	1 • 44	1 • 44	1 • 43	1 • 43	1 • 43	1 • 44	1 . 44	1 • 44	1 • 43
	URRENT	in in	• 6	3.64 3.61	r.	S	•	•	•	S	a	0	0	6	æ	۳	. 2	ď	6	6	2.91	Φ.
78 2 A•H•	A G.F. C	S. C.	ហ	4 • 53 4 • 60	ເ _ເ	4.56	(I)	4.54	ເດ •	60.9			\	.7	.7	٠,7	- 7	.7	5.74	• 7	5.77	•
PACK NO.	CYCLE PACI	6597	52	6704 • 6734 •	0 0	93	9	91	95	0.1			$^{\circ}$	NΙ	\circ	3	\circ	•	6868•	_	6950	7013•

		END OF DISCHARGE			END OF CHARGE	
TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN•						
. 25 E 115	VOLTAGES 4 5	1.21	1.00 1.00 1.00 1.00	1	1.57 1.61 1.59 1.58	1.588 1.58 1.53 1.53 1.53
DISCHARGE F RECHARG	3	1.21 1.21 1.21		1.21	1 • 6 0 1 • 6 0 1 • 6 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7.1	3 CE	1.20	0 0 0 0 0	1		
DEPTH OF PERCENT (~		מממממ	1 • 2 1 1 • 2 1 1 • 2 2	1.00 1.00 1.00 1.00 1.00	
			0 0 0 0 0			
• H •	CURRENT 3.00	000	ы п п п п п п п п п п п п п п п п п п п	700 /	86 96 96 86	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
213	A GE	0000		000	• • • •	7.7. 7.75 7.75 7.75 7.73
PACK NO. GULTON HS	CYCLE PACH	745	5882. 5951. 5983. 5016.	0 0 0	74 77 81 88	5983. 6016. 6055. 6099. 6161.

TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.		END OF DISCHARGE
40	rAGES 5	1 • 10
1 SCHARGE RECHARGE	CELL VOLTAGES 4 5	00 1013 1011 1010 00 1013 1012 1011
O F	GEL 3	1.13
DEPTH OF	. ~	0 0 0
u u		1 • 12
· I •	JRRENT 4 • 80	4 • 70
218	PACK CURREN	4.43 4.70
PACK NO. 218 GULTON HSI 6 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 4.80	5617 4 4 4 4 4 70

		1.000 1.000
1 • 1 3 1 • 1 3 1 • 1 2	1 • 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
00000	00000	00000000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 • 1 1 1 • 1 5 1 • 1 2 1 • 1 8 1 • 1 4	1
• • • •		33 10 10 10 10 10 10 10 10 10 10 10 10 10
• • • •		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
61 40 40 70 70	0 4 4 4 5 C C C C C C C C C C C C C C C C	5617 5647 5754 5753 5918 5928 5966
	617. 4.43 4.70 1.12 .00 1.13 1.11 1.1 647. 4.46 4.71 1.13 .00 1.13 1.12 1.1 754. 4.40 4.62 1.13 .00 1.12 1.11 1.0 763. 4.34 4.61 1.11 .00 1.11 1.08 1.0	617. 4.43 4.70 1.12 .00 1.13 1.11 1.1 647. 4.46 4.71 1.13 .00 1.13 1.12 1.1 754. 4.40 4.62 1.13 .00 1.11 1.08 1.0 753. 4.34 4.61 1.11 .00 1.11 1.08 1.0 918. 4.56 4.72 1.15 .00 1.12 1.17 1.1 928. 4.41 4.67 1.12 .00 1.12 1.11 1.00 966. 5.81 3.75 1.18 .00 1.18 1.18 1.1 914. 4.49 4.67 1.14 .00 1.13 1.14 1.1

END OF CHARGE

TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.			END OF	DISCHARGE									END OF	CHARGE					•		
25 E 160	VOLTAGES	ហ	00.	00•	000•	000•	00.	000•	00.	000•	00.		00.	00•	00•	00•	00•	00•	00•	00•	000•
DISCHARGE IF RECHARGE	1	4	1 • 1 1	1.12	1 • 1 1	1.22	1.20	1 • 1 9	1.05	• 74	1.12		1.46	1 • 47	1 • 4 7	1.46	1.45	1 • 44	1 • 47	1.45	1 • 43
\sim	CE	n	1.17	1.15	1.16	1.27	1.25	1.25	1 • 1 4	1.04	1.27		1 • 46	1.44	1 • 46	1 • 46	1 • 46	1.44	1.44	1.44	1 • 44
DEPTH OF PERCENT (2	000•	00•	00.	00.	00.	00•	00·	00•	0C•		00•	00.	00•	00•	00.	00.	00.	00.	00.
		-	1 • 15	1 • 15				1.26		1 • 12			1.46	1 • 46	1 • 45	1 • 4.6	1 • 46	1.46	1 • 46	1 • 44	1 • 44
۰ ۱ •	AEN T	е	φ.	5.99	Q,	(j) •	(j) •	U)	Q)	9	ທ	2.40	0	9	6	3	8	•	7	1.28	1.13
238 SI 6	$\alpha \cap \beta$	9 13	3.39	3.37	• (J)	7	٧.	. 7	₹.	\mathfrak{D}	•			<u>ښ</u>		m)				4.32	m
PACK NO. GULTON HS	YCLE P	•	31	5425	4	52	R)	5 8	63	67	73		5	45	4	52	ເດ	90	53	5671.	73

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TEST TEMPERATURE O CORBIT PERIOD 90 MIN.			END OF	DISCHARGE							END OF	CHARGE			
15 115	rAGES	ហ	1.23	1.23	1.23	1.23	1.22	1.21	1.22		1.69	1.68	1 • 70	1 • 70	1.68
DISCHARGE F RECHARGE	CELL VOLTAGES	4	1.22	1.22	1.22	1.22	1.22	1.22	1.23		1 • 63	1.61	1.61	1.59	1.60
lı O	CEL	m	1.21	1.21	1.21	1.21	1.21	1.22	1.22		1 • 50	1.50	1.51	1.51	1.51
DEPTH OF		N	1.21	1.21	1.21	1.21	1.21	1.21	1.22		1.49	1.50	1.51	1.50	1.50
₩ (I		-	1.21	1.21	1.21	1 • 21	1.21	1 • 2 1	1.22		1 • 4 7	1 • 4 7	1 • 48	1 • 48	1 • 48
_	ENT	06 • 0	06•	06•	06•	.91	.91	.91	96•	.52	• 22	• 23	• 24	• 26	•26
243 3 A H	AK CUR	-TAGE	4C•9	6.05	6.05	6.03	6.04	90•9	6.08		7.73	7.73	7.76	7.72	7.73
BACK NO.	CYCLE PACK CURRENT	NO. VOL	3670•	3747.	3777.	3846.	3878.	3960.	4046•		3670.	3747.	3777.	3846.	3878.

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TEST TEMPERATURE O	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 25	PERCENT OF RECHARGE 115
. 231	3 A.H.

U		END OF DISCHARGE		END CHARGE
TEST TEMPERATURE 0 ORBIT PERIOD 90 MIN•				
25 E 115	TAGES 5	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1		
DISCHARGE OF RECHARGE	CELL VOLTAGES 4 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 9 9	
: D1	3 CE			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DEPTH OF PERCENT	N	1.19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		1 1 9		
÷	RENT 1 • 50	1 • 50 1 • 4 • 1 1 • 4 • 1		0 4 4 4 4 4 W
231 3 A.H.	PACK CURRENT	លល្យប្រ	•	7 . 66 7 . 68 7 . 68 7 . 68 7 . 66
PACK NO. 231 SONOTONE 3 A	CYCLE PA	3640. 3670. 3747. 3777.	3878.	3640. 3670. 3747. 3777. 3846.

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TEST TEMPERATURE 25	ORBIT PERIOD 90 MIN.
F DISCHARGE	PERCENT OF RECHARGE 125
203	H & A.H.

TAGES 5	1 • 16	1 • 16	1.16	1 • 13	1 • 1 7	1 • 15	1 • 16	1.17	1.15	1.16	
4 LL VOL	1.16	1.16	1.16	1.13	1 • 16	1.16	1.16	1.17	1.16	1 • 1 7	
S G	1 • 13	1.13	1.12	1.08	1.13	1.13	1.13	1.16	1 • 1 4	1.14	
N	1.16	1.15	1.15	1 • 1 1	1.16	1.15	1.16	1.16	1.15	1.17	
•••	1 • 16	1 • 16	1 • 15	1 • 1 1	1 • 16	1 • 16	1 • 1 7	1 • 1 7	1 • 15	1 • 17	
RENT 1 • 50	1.51	1.50	1.51	1.51	1.50	1.51	1.50	1.50	1.51	1 • 50	
ACK CUR	5.72	5.72	5.70	5.52	5.74	5.73	5.76	5.81	5.73	5.78	
CYCLE PA	3798.	3828	3905	3935.	4004	4036.	4069	4118.	4151.	4214.	
	LE PACK CURRENT CELL VOLTA VOLTAGE 1.50 1 2 3 4	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 828. 5.72 1.50 1.16 1.15 1.1	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 828. 5.72 1.50 1.16 1.15 1.1	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 828. 5.72 1.50 1.16 1.15 1.15 905. 5.70 1.51 1.15 1.15 1.10	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 828. 5.72 1.50 1.16 1.15 1.1 905. 5.70 1.51 1.15 1.15 1.1 935. 5.52 1.51 1.11 1.01 004. 5.74 1.50 1.16 1.16 1.1	LE PACK CURRENT VOLTAGE 1.50 1 2 3 YOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 905. 5.72 1.51 1.15 1.15 1.1 935. 5.52 1.51 1.11 1.11 1.00 004. 5.74 1.50 1.16 1.15 1.10	LE PACK CURRENT VOLTAGE 1.50 1 2 3 YOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.1 828. 5.72 1.50 1.16 1.15 1.1 905. 5.70 1.51 1.15 1.15 1.1 004. 5.74 1.50 1.16 1.16 1.1 036. 5.73 1.51 1.16 1.15 1.1 059. 5.76 1.50 1.17 1.16 1.1	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.11 828. 5.72 1.50 1.16 1.15 1.15 935. 5.70 1.51 1.11 1.11 1.00 004. 5.74 1.50 1.16 1.16 1.10 036. 5.73 1.51 1.16 1.15 1.11 059. 5.76 1.50 1.17 1.16 1.11	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.11 905. 5.72 1.50 1.16 1.15 1.15 935. 5.72 1.51 1.15 1.15 1.10 004. 5.74 1.50 1.16 1.16 1.10 036. 5.73 1.51 1.16 1.15 1.15 118. 5.81 1.50 1.17 1.16 1.11 118. 5.73 1.51 1.15 1.15 1.11	LE PACK CURRENT VOLTAGE 1.50 1 2 3 798. 5.72 1.51 1.16 1.16 1.11 828. 5.72 1.50 1.16 1.15 1.15 935. 5.70 1.51 1.15 1.15 1.15 935. 5.70 1.51 1.16 1.15 1.15 004. 5.70 1.51 1.16 1.16 1.16 118. 5.73 1.51 1.16 1.16 1.15 118. 5.73 1.50 1.17 1.16 1.15 118. 5.73 1.51 1.15 1.15 1.15 1118. 5.73 1.51 1.15 1.15 1.15 1151. 5.73 1.51 1.15 1.15 1.15

DISCHARGE END OF

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	1 • 4	4	4	4	4	4	4	4	4	4
	1.47	1.46	4	4	4	4	•	4	1.46	1 • 47
	1.47	1.46	4	4	4	4	1.46	4	1.46	4
	1.46	1.45	1.45	4	4		4	1.45	1.45	1.46
	1 • 45	1 • 45	4	1 • 45	•	4		4	1 • 44	1 • 45
• 94	• 95	• 70	• 95	96•	.95	• 95	• 94	• 95	.95	
	7.25	42	٩,	S	7.28	8	m	7.24	7.21	7.27
	3798.	3828.	3902.	3935.	4004	4036.	4069	4118.	4151.	4214.

END OF CHARGE

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TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.			END OF	DISCHARGE										END OF	CHARGE								's
: 40 SE 125	TAGES	ហ	1.04	1.05	1.07	1.06	1.05	1.01	1.05	1 • 1 1	1 • 1 1	1.12		1 • 48	1.48	1 • 48	1.48	1.49	1.48	1.49	1.53	1.51	1.50
DISCHARGE F RECHARGE	CELL VOLTAGE	4	1.02	1.03	1.06	1.05	1.02	66•	1.03	1 • 1 1	1 • 10	1.13		1.57	1.56	1 • 55	1.56	1.57	1.57	1.57	1.57	1.57	1.59
Γ. O	S	С	00•	00•	• 00	• 00	00•	00•	• 00	00•	00•	00.		00•	00	00•	00.	00•	00•	00•	00	00•	00•
DEPTH O PERCENT		8	1.12	1.12	1.14	1.13	1.12	1 • 1 1	1.12	1.13	1.12	1.13		1.47	1 • 4 7	1.47	1.47	1 • 4 7	1.47	1 • 4 7	1.46	1 • 4 7	1.47
			66•	66•	О	1.01	• 98	. 97	1.01	1 • 10	1.08	1.08		1 • 48	1 • 48	1 • 4 7		1 • 48	1 • 48	1 • 48	1 • 4 7	1 • 47	1 • 4 7
· Ľ	CURRENT	2.40	(*)	(*)	(')	(*)	(1)	4	(1)	ω.	2 • 39	η,	ហ	0	1.06	6	1.31	1.14	1 • 13	1.10	1.12	1 • 18	1 • 09
202 3 A.		VOLTAGE	•	•	ď	4.22	•	4.06	4 • 19	4.43	4 • 39	4.44		6	0	0	9	2.97	9	6	0	5.99	•
PACK NO.	CYCLE P.	NO.	3479.	3508.	3586.	3615.	3684.	3716.	3750.	3798.	3832•	3894•		(*)	(*)	3586.	(*)	3684.	3716.	3750.	3798.	3832•	3894.

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TURE 40
TEST TEMPERATURE ORBIT PERIOD 90 M
DEPTH OF DISCHARGE 15 PERCENT OF RECHARGE 160
C NO. 226 STONE 3 A.H.

TEST TEMPERATURE 4(
: 15 ie 160	TAGES	ស	1 • 1 4	1.16	1.16	1.16	1 • 1 4	1 • 1 4	1 • 1 4	1 • 1 4	1 • 15		1 • 44	1 • 4 4	1.44	1.44	1.43	1.43	1.43	1.43	1 • 44	
SCHARGE RECHARGE	CELL VOLTAGES	4	1 - 1 7	1.17	1 • 18	1 • 18	1.17	1 • 18	1 • 18	1 • 18	1 • 1 9		1.43	1.42	1.42	1.43	1.42	1.42	1.42	1.42	1.43	
F DI	S	т	1 • 16	1.17	1 • 18	1 • 1 7	1 • 1 7	1 • 16	1 • 1 7	1 • 1 7	1 • 19		1 • 44	1 • 43	1.43	1.43	1.44	1.43	1.43	1.44	1.45	
DEPTH O PERCENT		2	1.17	1 • 1 7	1 • 18	1.17	1 • 1 7	1 • 18	1 • 1 7	1 • 1 7	1.19		1.42	1.42	1.42	1.42	1.42	1.42	1.41	1.42	1.43	
			1 • 18	1 • 19	1 • 19	1 • 18	1 • 18	1 • 18	1.21	1 • 19	1 • 18		1 • 40	1 • 40	1 • 4 1	1 • 40	1 • 40	1 • 40	1 • 4 1	1 • 40	1 • 4 1	
A . H .	CURRENT	06•0	06•	06•	06•	06•	• 91	• 90	06.	06.	• 88	• 72	• 73	• 73	• 73	•72	• 73	• 72	• 73	• 73	• 73	
3 8	PACK C	VOLTAGE	5.77	5.82	5.83	5.81	5.80	5.80	5.84	5.83	5.86		7.08	7.06	4.09	7.08	7.08	7.07	7.08	7.08	7 • 1 1	
PACK NO.	CYCLE P	0 O O O O	3627.	3685.	3714.	3783.	3815.	3849.	3897.	3931.	3993•		3627.	3685.	3714.	3783.	3815.	3849.	3897.	3931.	3993•	
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END OF DISCHARGE

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END OF CHARGE

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CELL VOLTAGES

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DACK NO. SZOLOZEK 00.1 8000100

20 TEST TEMPERATURE O E •3A ORBIT PERIOD 24 HRS. FAGES 5 1•07 1•05 1•05	FIND CNE	CHABGE	
20 E • 3A FAGES 5 5 1 • 05 1 • 05			
₩ ["	1 • 46	1.44	
DEPTH OF DISCHARGE 20 PERCENT OF RECHARGE 3A CELL VOLTAGES 3 4 5 1.02 1.08 1.07 1.07 -59 1.08 1.07 1.06 -76 1.08 1.07 1.05	1.65	1.66	
OF D1S T OF R 3 CE 1.08 1.08	1.51	1 • 48	1.40
DEPTH PERCEN 2 1.02 .59	1.44	•00 1•44	1.45
0000	000	00•	00
1.00 1.00 1.97 87	00	• 01	00
10. 257 Y 5 A.H. PACK CURRENT VOLTAGE 1.00 4.21 1.00 3.78 .97 2.43 .8	0.0	5.99	6.01
PACK NO. 257 YARDNEY 5 A.H. CYCLE PACK CURRENT NO. VOLTAGE 1.00 164. 4.21 1.01 178. 3.78 .97 190. 2.43 .87	104.	178.	190

TEST TEMPERATURE 25 C ORBIT PERIOD 24 HRS.		END OF DISCHARGE	END OF CHARGE
20 E •3A	TAGES 5	1.07	1 • 57 1 • 48 1 • 47
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES 4 5	1 • 0 8 1 • 0 8 1 • 0 8	1 • 4 4 4 4 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6
OF DIS	3 CE	1 1 0 0 0 0 0 0 0	1.51 1.76 1.79
DEPTH PERCEN	0	1.08 1.07 1.08	1 • 4 ¢ 1 • 4 ¢ 1 • 4 ¢
	-	1.08 1.07 1.07	1 • 4 8 1 • 4 4 1 • 4 4
	RENT 1.00	1.00 .99	0 0 0 0
6 6 9 6 9 6 9 6 1 6 9 6 1 6 9 6 1 6 9 6 1 6 9 6 1 6 9 6 1 6 9 6 1 6 9 9 9 9	PACK CURRENT	5 5 3 3 3 5	7.57 7.57 7.57
PACK NO. 69 YARDNEY 5 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 1.00	121• 135• 147•	121• 135• 147•

TEST TEMPERATURE 25 C ORBIT PERIOD 24 HRS.		END OF DISCHARGE	END OF CHARGE
20 E • 3A	TAGES 5	1.08 1.07 1.13	1 • 50 1 • 4 8
DEPTH OF DISCHARGE PERCENT OF RECHARGE	CELL VOLTAGES 4 5	1.08 1.08 1.16	11 · · · · · · · · · · · · · · · · · ·
OF DIS T OF R	3 CE	1.08 1.08 1.14	1 • 50 1 • 50 1 • 50
DEPTH	٧	1.08 1.08 1.09	1. 0.0. 0.4.
		1.08 1.08 1.11	1 • 4 9 9 4 9 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9
	7EN∃ 1 • 00	. 99 1. 01 1. 00	900
233 5 A•H•	PACK CURRENT VOLTAGE 1.00	5.36 5.36 5.60	7 • 4 4 7 • 4 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
PACK NO. 233 YARDNEY 5 A.H.	CYCLE PACK CURRENT NO. VOLTAGE 1.00	121• 135• 147•	121•135•

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END OF DISCHARGE

TEST TE	ORBIT P
25	115
DEPTH OF DISCHARGE	•
	RS

115	
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RS	
5.6 A.H.	
	H. RS PERCENT OF RECHARGE

PACK NO. 232	DEPTH OF DISCHARGE 25	
GULTON 5.6 A.H. RS	PERCENT OF RECHARGE 115	_

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NCK CUR	TAGES
	K CURRENT CELL VOLT

() () () () () () () () () ()	_ A ก ก บ	1 • 1 4	1 • 15	1 • 1 4	1 • 15	1.12	1.12	1.16	1.01	1.15	1.14
2	CELL VOLIAGES 4 5	1 • 1 4	1.14	1 • 13	1 • 15	1 • 13	1 • 1 4	1.16	1.10	1 • 16	1.16
į	۳ ا	1 • L	1 • 15	1 • 1 4	1 • 16	1.14	1 • 1 4	1 • 16	1 • 10	1.16	1.16
	٧	1.15	1.15	1 • 1 4	1.16	1.13	1 • 1 4	1.16	1 • 10	1.15	1.16
	1	1 • 1 4	1 • 1 4	1 • 13	1 • 1 4	1.12	1 • 13	1 • 16	1.09	1 • 15	1 • 16
TIVE	2.80	2.76	2.73	2.78	2.72	2.81	2.82	2.80	2.79	2.76	7.74
ב כא	VOLTAGES	5.68	5.68	5.65	5.71	5.60	5.64	5.78	5.40	5.77	5.75
THE DACK ACCOUNT	NO• VOL.	883.	919.	•866	1027.	1096.	1128.	1169.	1210.	1249.	1304

	1.5%		1.5	1.52	1.52	ស	1 • 31	1 • 4	
	1.52	1 • 52	1.52		1.52	1.52	1.32	1 • 52	1.52
	1.53			1.53			1.32	1.52	1.52
	1.53	1.52	1.53	1.53	1.52	1.52	1.31	1.51	1.52
	1.51	1 • ភ	1.51	1.52	1.51	1.51	1.32	1.52	1 • 52
1001	• 88	•84	•87	• 86	06•	06•	1.62	1.01	06.
	7.55	7.54	7.57	•	7.54	•	6.55	7.54	7.54
	883.	919.	•866	027.	•960	128.	169.	210.	249.

1.50

.86 1.52 1.52 1.52

7.54

1304.

END OF CHARGE

TEST TEMPERATURE - 20 /	ORBIT PERIOD 90 MIN.
DEPTH OF DISCHARGE 25	PERCENT OF RECHARGE 115
X NO. 244	TON 5.6 A.H. FRS

U

TEST 1 ORBIT												
25	rages 5	1 • 16	1 • 16	1 • 16	1 • 16	1 - 16	1 • 1 4		1.12	-	1 • 16	
SCHARGE RECHARGE	CELL VOLTAGES 4 5	1 • 16	1.16	1 • 15	1.16	1 • 15	1 • 15	1.15	1 • 1	1 • 1 7	1 • 1 7	
F D1	CEI 3	1 • 16	1.16	1 • 15	1 • 16	1 • 15	1 • 16	1 • 15	1.13	1 • 1 7	1.17	
DEPTH O PERCENT	α	1.16	1.16	1.16	1.16	1 • 15	1.15	1.15	1.12	1.17	1 • 1 7	
		1 • 16	1 • 15	1 • 15	1 • 16	1 • 15	1 • 15	1 • 15	1.12	1 • 1 7	1 • 17	
+ FRS	RENT 2.80	2.76	2.75	2.77	2.74	2.76	2.76	2.76	2.77	2.76	2.76	
). 244 5.6 A.H.	PACK CUR VOLTAGES	5.75	5.75	5.73	5.76	5.72	5.73	5.73	5.57	5.80	5.80	
PACK NO. 244 GULTON 5.6 A	CYCLE PACK CURRENT NO. VOLTAGES 2.8	883.	919.	998•	1027.	1096.	1128.	1169.	1210.	1249.	1304.	

END OF DISCHARGE

END OF CHARGE

1.56 1.56

1.54

1.55

1.61 7.9 80 7.7 7.5 7.6 7.6 9.90

7.72 7.68 7.68 7.66 7.66

1210. 1249. 1304.

1.54

1 • 55 4 1 • 55 4 1 • 55 4

1.55 1.55 1.55

1.00 • 1.

155

7.72

7.71

883. 919. 998. 1027. 1096. 1128.

TEST TEMPERATURE O C ORBIT PERIOD 90 MIN•			END OF	1)								END OF	CHARGE							
25 E 115	TAGES	ហ	1 • 16	1.17	1 • 18	1 • 1 7	1.37	1 • 16	1.20	1 • 19		1.53	1.55	1.54	1.55	1.55	1.54	1.53	1 • 54	
DISCHARGE F RECHARGE	CELL VOLTAGES	4	1 • 16	1 • 16	1 • 1 7	1 • 1 7	1 • 36	1 • 15	1.19	1 • 18		1.55	1 • 55	1.55	1 • 55	1.55	1 • 55	1.53	1 • 54	
آ آ	CE	m	1 • 16	1 • 1 7	1 • 1 7	1 • 1 7	1 • 36	1 • 15	1 • 19	1 • 18		1.53	1.55	1.54	1.54	1.54	1.53	1.52	1.52	
DEPTH O PERCENT		۷	1.17	1.17	1.17	1 • 18	1.36	1.16	1.20	1.19		1.54	1 • 55	1.55	1.55	1.54	1 • 55	1.54	1.55	
		-	1 • 18	1 • 1 7	1 • 18	1 • 18	1 • 36	1 • 1 7	1.20	1.20		1.54	1.54	1 • 54	1 • 54		1 • 55	1.54	1 • 54	
• FRS	RENT	2.80	. 7	ထ	2.71	•	• 00	7	2.78	. 7	1.61	1 • 1 4	1.23	1 • 1 4	1.12			1.14	1.07	•
200 6 A • H•	SK CUR	TAGES	5 • 84	5.81	5.84	5.83	6.78	5.80	00•9	5.94		7.72	7.72	7.72	7.71	4.69	7.71	7.68	7.69	
PACK NO. GULTON 5.	CYCLE PA	NO. VOLTAGES 2.8	1170.	1200.	1277.	1307.	1376.	1408.	52	^		1170.	1200•	1277	1307	9 1376.	1408.	1527.	1576.	

TURE O C 90 MIN•			END OF	DISCHARGE									END OF	CHARGE						٠.	
TEST TEMPERATURE ORBIT PERIOD 90																					
25 F 115	TAGES	ហ	1 • 16	1.16	1.16	1 • 15	1.15	1 • 16	1 • 16	1 • 16	1.17		1 • 56	1.55	1.56	1.55	1.56	1.56	1.57	1.55	1.54
DISCHARGE F RECHARGE	CÉLL VOLTAGES	4	1 • 1 7	1.16	1.16	1 • 16	1.16	1.16	1.17	1.17	1.17		1 • 54	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.52
F D1	CĒ	m	1 • 16	1 • 16	1.16	1.15	1.15	1.15	1.16	1 • 16	1 • 1 7		1.55	1.54	1 • 54	1.54	1.54	1.54	1.54	1.53	1 • 53
DEPTH O		N	1.16	1.16	1.16	1.16	1 • 15	1.16	1.16	1.16	1 • 1 7		1.55	1.54	1.55	1.54	1.54	1.54	1.55	1.54	1.53
_		~	1 • 18	1 • 1 7	1 • 18	1 • 1 7	1 • 1 7	1 • 1 7	1 • 18	1 • 18	1 • 19									1 • 55	
• RS	URRENT	2 • 80	00	2.80	7	æ	ω.	8	•	•	2.83	1.61	66•	• 88	06•	• 89	• 88	• 85	•85	• 80	• 80
390 •6 A•H	CK CUR	VOLTAGES	•	5.81	•	•	•	•	•	•	5.86		7.79	.7	7.76		7.73	.7	. 7	7.72	7.76
PACK NO.	CYCLE PA	NO. VOL.	1187.	1294.	N	1392.	1424.	ທ	1506.	1540.	1602.		1187.	1294.	1323.	σ	1424.	ທ	0		0

TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.		END OF DI SCHARGE	END OF CHARGE	
25 E 125	TAGES 5		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	111111 44444 77700
SCHARGE RECHARGE	CELL VOLTAGES 4 5	0001	. 0 44	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
. D1	CEI 3	1000	1 1 2 4 4 9 9 9 9 9	1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
DEPTH OF PERCENT	0	111111111111111111111111111111111111111	0 0 44	1 • 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	1	00000000000000000000000000000000000000	0 44	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
• R S S	Z•80	2. 2. 48 2. 48 2. 48 2. 48 3. 46 4. 46	, , , , ,	1 • 79 1 • 78 1 • 77 1 • 78 1 • 78
276 6 A•H	PACK CURRENT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	n m m u	7.29 7.33 7.29 7.29 7.29
PACK NO.	CYCLE PAC	1300. 1436. 1436. 1537.	1653.	1436. 1487. 1505. 1537. 1653.

. A. T. L.

PACK NO. 396 GULTON 5.6 A	396 5.6 A.H.	• RS		DEPTH OPERCENT	F DI	DEPTH OF DISCHARGE PERCENT OF RECHARGE	25 125	TEST TEM ORBIT PE
CYCLE PACK CURRENT NO. VOLTAGES 2.8	PACK CUR VOLTAGES	RENT 2.80		N	ь Я	CELL VOLTAGES	r AGES 5	
1297	S • S	2.62	1 • 10	1.14	1.12	1 • 1 1	1 • 10	
1332	5.41	2.61	1.06	1.12	1 • 10	1 • 09	1.08	
1371.	5.50	2.73	1.08	1 • 1 4	1.12	1 • 1 1	1 • 10	
1439.	5.33	2.67	1.04	1 • 10	1 • 09	1 • 06	1.05	
1508.	5.52	2.58	1.08	1.14	1 • 13	1 • 1 1	1 • 10	
1540.	5.57	2.60	1 • 12	1.14	1.12	1.12	1 • 10	
1573.	5.51	2.62	1.12	1.12	1 • 1 1	1.10	1.08	
1622.	์ เรา เรา	2.72	1 • 13	1.10	1 • 10	1.07	1.06	
1656.	5.41	2.63	1.12	1.09	1.09	1.07	1.05	
1718.	5.49	2.67	1.12	1.12	1 • 1 1	1 • 09	1.06	

END OF DISCHARGE

END OF CHARGE

1.46 1.45 1.44 1.45

1 • 45

1 • 44

1.45 1.45 1 • 44 1.43 1.44 1.45 1 • 44 1 • 44 1.44 1.44

1.43

• 45

1.75

7.19

332.

1 • 44

1.44 1.45 1.45 1 • 44

1 • 4 6 1 • 4 5 1 • 4 5

1.41

1.28 1.17

7.24 7.18 7.20 7.19

439. 508.

1.45

1.44

1.43 1.43

> • 46 •46

1.29

1 • 16 1.17

7.20 7.18 7.18

1622 • 1656 • 1718 •

• 46

1.44 1.44

1.43

1.46 1 • 45

1.22

7.19

540.

1.44

1.44

1.44

1.45

TEST TEMPERATURE 40 C	ORBIT PERIOD 90 MIN.			END OF DISCHARGE	END OF CHARGE
25	160	GES	S)	00	00
CHARGE	PERCENT OF RECHARGE 160	CELL VOLTAGES	4	•00 1•14	•00 1•43
F DIS	OF R	CEI	ო	00	00
DEPTH OF DISCHARGE	PERCENT		2	1 • 10	1 • 4 4
			-		
	RS	ZENT	2.80	2.76	1.30
230	6 A•H	R CUR	AGES	3.17	4 • 34
PACK NO. 230	GULTON 5.6 A.H.	CYCLE PACK CURRENT	NO. VOLTAGES 2.80	1275 3.17 2.76 1.04	1275

PACK NO. 242 GULTON 5.6 A.H. FRS PERCENT OF RECHARGE 160 ORBIT PERI	
PACK NO. 242 GULTON 5.6 A) () ()
BAC	(> (

) F	CYCLE PACK CURRENT NO. VOLIABER 2 B	SKENT O C	•	•		CELL VOLTAGES	TAGES
ĺ	200	0 • V	-	N	m	4	ហ
	5.09	2.74	1.03	1.00	1.06	•	•
	5.15	2.75	1.04	1.03	() () ()		1 6
	5.20	2.78	1.04	1.04	() () () ()	1.02	າ ເ ວິດ ເ
	5.09	2.76	1.001	0.1			/ O • ·
	5.05	2.75	9 (9 -				0 0
	5.12	2.77) 년 (·		100		7 0 • 1
	5.08	2.75	ि ए • •	7001		- C	1. 0. 0.0
	5.16	2.76	1 • 0 7	1.02	1.06	1.01	00.1
	5.19	2.75	1.06	1.00	1.09	1.02	1.05

END OF DISCHARGE

	1.45	1 4	1.45	1.444	100	4 4	1.44	1.43	9
	1.47	1.46	d	1 • 46	1.46		4	1 • 4 S	1.46
	1.45	4	•	4	4	4	4	•	4
	1 • 46	4	•	4	1.45	4	4	4	4
	1.46	ď.	1 • 46	CT.	ct	1 • 46	-	1 • 46	đ
2.24	2.23							1 • 82	
(1.24	7.24						7.21	
!	1407							1712.	

SUE COUL	239	• H •		DEPTH O	F DI	DEPTH OF DISCHARGE PERCENT OF RECHARGE	Д 0	TE:	TEST TEN	TEST TEMPERATURE	FURE 90 M	25 C MIN•	
W L	PACK CURRENT	RENT		,		CELL VOLTAGES	TAGES		•	ı			
> • 07	VOLTAGE	2.88	-	N	רא	4	ស		2	m	4	വ	
1714.	9.64	2.82	• 92	06.	• 93	1.07	• 94	1.07	• 98	• 95	•94	.95	END OF
1744.	10.70	2.85	1.08	1.03	1.09	1.09	1.08	1.09	1.05	1.04	1.06	1.08	DISCHARGE
1821.	10.35	2.90	1.03	1.00	1.01	1.08	1.02	1.08	1.03	1.03	1.01	1.02	
1851.	10.22	2.85	1.03	96•	1.00	1.07	66•	1.07	1.06	1.01	66•	1.04	
1873.	11.01	2.87	1 • 1 1	1.16	1 • 1 1	1.06	1.13	1.06	1.07	1.12	1 • 1 1	1.03	
		3.60											
1714.	14.29	.27	1 • 42	1.43	1 • 43	1 • 4 7	1.43	1.45	1.42	1 • 4 1	1.41	1 • 4 1	END OF
1744.	14.30	• 24	1.42	1.42	1.43	1 • 4 7	1.43	1.45	1.42	1 • 4 1	1.41	1.41	CHARGE
1821.	14.26	• 4 1	1 • 4 1	1.43	1 • 4 1	1 • 46	1.43	1.44	1 • 4 1	1.40	1 • 4 1	1.40	
1851.	14.92	2.10	1 • 48	1 • 49	1.48		1.46	1.53	1.50	1 • 47	1.47	1.47	
1873.	14.22	.47	1 • 4 1	1.43	1.42	1 • 44	1.40	1.44	1 • 4 1	1 • 40	1.40	1.40	

END OF CHARGE

				DISCHARGE													<u></u>	•			· · · · · · · · · · · · · · · · · · ·			1			1	<u> </u>	B
				END OF D									TIME TO	START OF	TRICKLE	CHARGE	78.39	84.82	28:47	29:00	28:45	29:50	29:47	28:35	28.45	28.43	29:42	28:51	28.43
MINUTES 25°C	ď	1.09	110	1.10	1.09	1.06	///	1.09	110	1111	1.09	1111	1.10	109			1.43	7.67	143	241	142	142	143	1.44	1.43	26%	142	1.42	14/
PERIOD 90 MINUTES TEMPERATURE 25° C	82 72	111	112	1.13	7/1	017	(.13	7/1	1.13	(1.13	6//	1.13	1.13	7/1			24/	2/5/	241	1,42	141	142	7.6%	7.47	1.42	24%	1.43	7.45	1,42
ORBIT PER	CELL VOLTAGES	2//	1.12	1.13	7//	017	114	1.12	617	7.73	8/7	1.13	1.13	1.12			142	143	1.42	24%	7,47	1.42	1.42	7.47	7/12	247	24/	7.47	2/4/
ОН	CELL	30%	1.09	1.09	109	1.06	1.10	1.08	109	1.10	60%	011	1.10	1.09			143	143	841	24:1	2/1/	647	143	1.42	1.43	1,43	(43	1.43	143
ARCEE 30	- -	1//	1.12	2/:/	7/10	1.06	1.12	1.11	2//	(1.13	///	1.12	1.12	1.11			1.4/3	143	143	1.42	1.42	7/1	1.42	1.42	143	1.42	2/1/2	1.42	143
I OF DISCHARGE	X E	1910-	21/0-	29/0-	-0.149	-0:197	-0.153	6210-	1910-	-0.165	-0.150	-0.135	-0.13/	-0.174			718 00	188.01	188 OF	+0.805	818 OH	40 884	10 882	10,975	10.870	00	068 0+	1	
DEPTH I.	المقتصصيف	3.00										•					0 8 0	\											
ER 5 A.H.	PACK	5.4/	534	5.37	5.32	5.25	5.43	5.37	5.37	5.42	5.37	5.49	5.44	5.38			8 00	7 7											
COULOMETER	CYCLE	1	75%	7620	7660	7700	0466	7780	0781	7860	0061	7960	8000	8010			0456	7580	7620	2660	2700	7740	7780	7820	7860	7900	0964	2008	0100

SHERFEY	T 3.6 A.H.	ا بد		DEPTH		OF DISCHARGE 40 T OF RECHARGE 60	0 1			TEST TEMPERATION	TEMPERATURE	TURE 25° C 90 MINUTES	•
CYCLE	PACK						CELL V	VOLTAGES					
NO.	VOLTAGE	CURRENT	7	2	3	4	5	9	7	8	0	CL	4 :
1282	9.74	2.88	1.75		0.85	2/7	117	111	1.16	101	9//	080	
7 860	10.54		117		1.03	1.23	1.22	1.22	1.22	617	1.22	1.04.	
7601	10.38		9//		0.99	121	1.20	120	1.20	1.14	130	860	EIND OF
2941	979		1.13		0.97	1.17	1.17	7.17	1.17	101	11/1	0.89	
0867	10.44		611		0.97	1.23	1.22	1.22	1.22	8/1	122	101	
3020	10.22		9/:/		0.94	121	1.20	1.20	120	[13	120	0.95	
1905	9.58		2/:/		0.81	1.15	1.16	1.16	1.15	901	1.15	910	
3100	10.34		2//		0.91	1.22	/1/	1.27	121	8/:7	1.21	0.98	
3/40	10.14		1.15		0.91	1.20	1.20	1.20	1.20	1.13	6//	0.95	
3/8/	966		1.12		0.76	1.16	116	9//	1.16	1.07	1.15	0.86	
3220	9.38		7/7			1.22	1.22	171	1.22	1118	171	260	
3260	9.18		1.15			120	120	(1/9	1.20	1.13	021	160	
3501	8.82		2//			111	117	11/6	1.16	90%	1.15	0.95	
													,
1287	13.35	7.16	6/7/		154	144	1.45	1.45	145	641	1.46	1.58	
2860	14.25		163		1.57	1.55	158	156	1.55	158	191	1.62	
1067	13.57		1.51		1.57	146	147	1.47	147	151	141	1.62	END OF
1467	13.40		1.49		1.55	1.45	1.45	1.45	1.45	6/1	1.45	1.60	CHARGE
0867	13.95		091		1.57	1.50	1.53	1.50	1.51	1.54	15%	1.62	
3020	13.52		1.50		1.59	1.46	146	1.46	1.46	1.46	1.47	797	
3061	13.38		641		1.56	1.45	1.45	145	145	1.49	9,6	1.59	
3100	14:40		1.65		1.56	1.58	1,60	1.57	1.59	1.59	1.64	191	
3140			1.50		1.58	1.46	941	136/	1.46	1.49	1.46	1.91	. v
3/8/	13.37		1.49		156	1.45	1.45	1.45	145	66.	145	1.59	T. 100
3220	12.62		1.62			1.55	1.57	154	1.55	1.56	1.62	09/	
3260	1.94		1.49			14%	146	1.46	14%	641	1.46	19	
3301	11.88		149			1.45	1.45	146	145	1.50	1.46	1.60	

		END OF DISCHARGE	END OF CHARGE
TEST TEMPERATURE -20 ORBIT PERIOD 1.5 HRS.			
25 E 130	TAGES 5	1 • 30	1.62
DEPTH OF DISCHARGE 25 PERCENT OF RECHARGE 130	CELL VOLTAGES 4 5	1.31 1.31 1.31 1.30	1.62 1.64 1.62 1.62
OF DIS	3 CE	1.31	1.64
DEPTH PERCEN	N	1.31	1.62
	₩	1 • 30	.82 1.62
AGZN	RENT 6.00	4.25 1.30	. 82
185 12 AH	CK CUR LTAGE	214. 6.50	8.08
PACK NO. 185 YARDNEY 12 AH AGZN	CYCLE PACK CURRENT NO. VOLTAGE 6.00	214.	214.

TEST TEMPERATURE 0 ORBIT PERIOD 1.5 HRS.		END OF DISCHARGE	END OF CHARGE
DEPTH OF DISCHARGE 25 PERCENT OF RECHARGE 130	CELL VOLTAGES 1 2 3 4 5	1.33 1.34 1.34 1.34 1.33	1.61 1.58 1.59 1.60 1.59
PACK NO. 197 YARDNEY 12 AH AGZN	CYCLE PACK CURRENT NO. VOLTAGE 6.00	106. 6.65 4.10 1.33	1.15

25	HRS.
EMPERATURE	r PERIOD 1.5
25 TEST T	130 ORBIT
DEPTH OF DISCHARGE	PERCENT OF RECHARGE
	Z

END OF DISCHARGE

S		7.0	70	7.0	90	96	96	7.	70	7.0			4.0	33	45	52	£5	52	36	99	99
ပ	ល	1.	-	-	1.0	-	- -	-	-	1 • (-	-	1 • 5	1.	1	•	1.0	1 • 5	
	4	1.07	1.07	1.07	1.06	1.06	1 • 06	1.07	1.07	1.08			00	1.54	1.554	1.53	1.53	1.53	1.55	1.56	1.56
CE	ო	1.06	1.07	1.07	1.06	1.06	1.06	1.06	1.07	1.07			1.53	1.53	1.54	1.53	1.53	1.52	1.55	1.55	1.55
	N	1.07	1.07	1.08	1.06	1.06	1.06	1.07	1.07	1.07			1.53	1.53	1.54	1.52	1.52	1.52	1.55	1.55	1.55
	-	1 • 0 7	1.07	1.07	1.06	1.06	1.06	1.07	1.07	1.08			1.55	1.54	1.54	1.53	1.53	1.53	1.57	1.57	1.57
R F N	00•9	5.88	0	6	€.99	90•9	6.08	6.10	96.5	5.94		9	1.49	1.63	1 • 64	1.72	1.76	1 • 73	1.42	1.37	1.40
. O.		ب	ω,	€ 3	ب	پ	3	.	€.	(n)			7	7.	•	9	•	•	æ	7.	
CYCLE PA	NO.	0	Q	S	9	3	VO	_	4	1108.			(C)	vo	Ω	(J	\mathbf{c}	S	1012.	1046.	1108.
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END OF CHARGE

		END OF DISCHARGE	END OF CHARGE
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DEPTH OF DISCHARGE 40 PERCENT OF RECHARGE	rages 5	1 • 4 4	1 • 88 1 • 88
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	RENT 10.00		00 00 00 05
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